

FIG.1

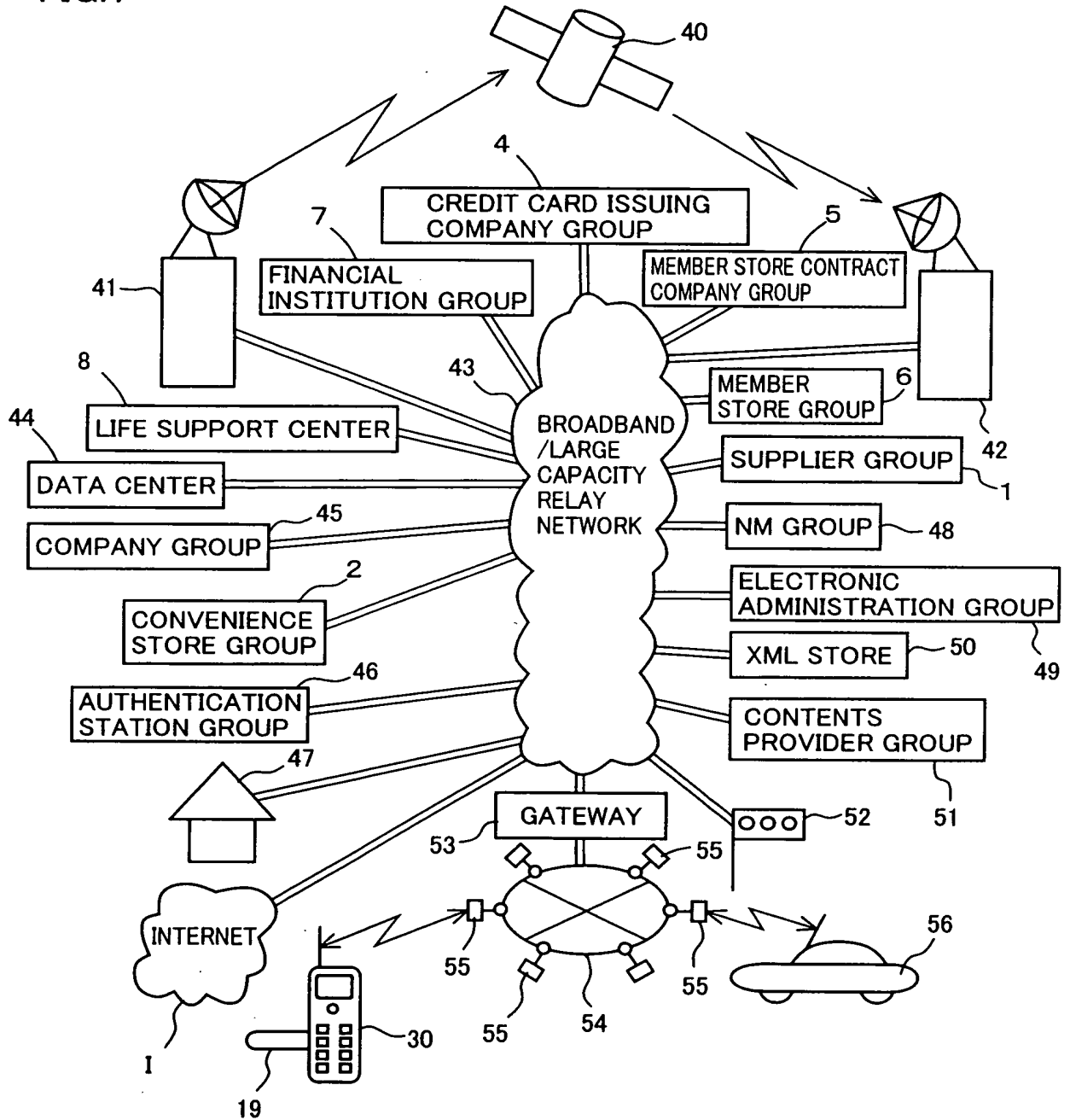


FIG.2

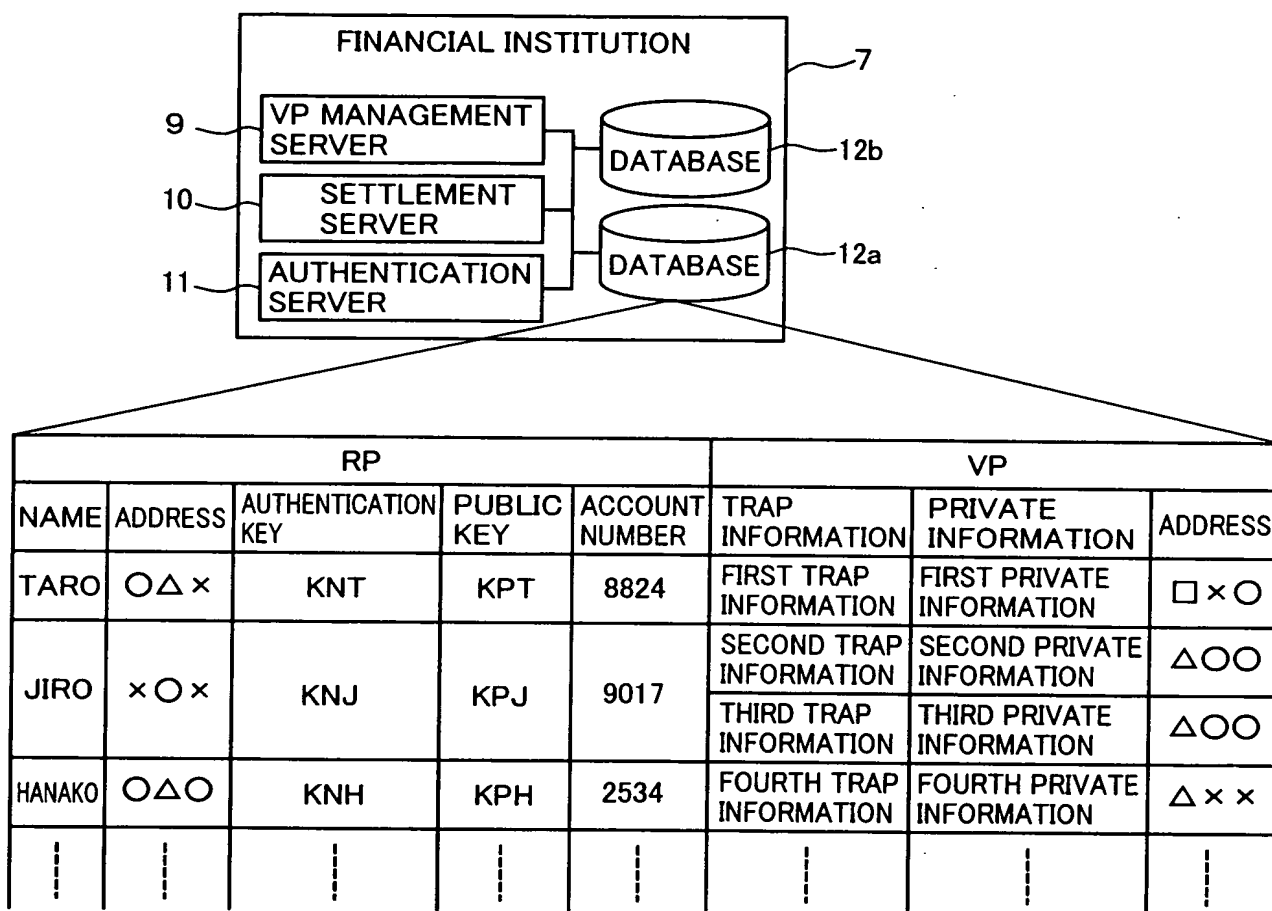


FIG.3

FIRST TRAP INFORMATION	SITE NAME	ABC	MTT	MEC	-----
	NAME	B13P	E(B13P)	E ² (B13P)	-----
	PUBLIC KEY	KPB	KPB'	KPB''	-----
	E-MAIL ADDRESS	○□×△×	△△△△△	△△△△△	-----
	VIRTUAL ACCOUNT NUMBER	2503	E(2503)	E ² (2503)	-----
	VIRTUAL CREDIT NUMBER	9145	E(9145)	E ² (9145)	-----
SECOND TRAP INFORMATION	SITE NAME	AMZ	RAK	ASK	-----
	NAME	NPXA	E(NPXA)	E ² (NPXA)	-----
	PUBLIC KEY	KPN	KPN'	KPN''	-----
	E-MAIL ADDRESS	××○△□	△△△△△	△△△△△	-----
	VIRTUAL ACCOUNT NUMBER	3541	E(3541)	E ² (3541)	-----
	VIRTUAL CREDIT NUMBER	3288	E(3288)	E ² (3288)	-----

FIG.4

	PRIVATE INFORMATION A	PRIVATE INFORMATION B	-----
FIRST PRIVATE INFORMATION	$\bigcirc\bigcirc\Delta + D_{KS}(\bigcirc\bigcirc\Delta)$	$\times \times \Delta + D_{KS}(\times \times \Delta)$	-----
SECOND PRIVATE INFORMATION	$\Delta\bigcirc\bigcirc + D_{KS}(\Delta\bigcirc\bigcirc)$	$\Delta \times \times + D_{KS}(\Delta \times \times)$	-----
THIRD PRIVATE INFORMATION	$\bigcirc\Delta\bigcirc + D_{KS}(\bigcirc\Delta\bigcirc)$	$\times \Delta \times + D_{KS}(\times \Delta \times)$	-----
FOURTH PRIVATE INFORMATION	$\Delta\bigcirc\Delta + D_{KS}(\Delta\bigcirc\Delta)$	$\Delta \times \Delta + D_{KS}(\Delta \times \Delta)$	-----
⋮	⋮	⋮	

FIG.5

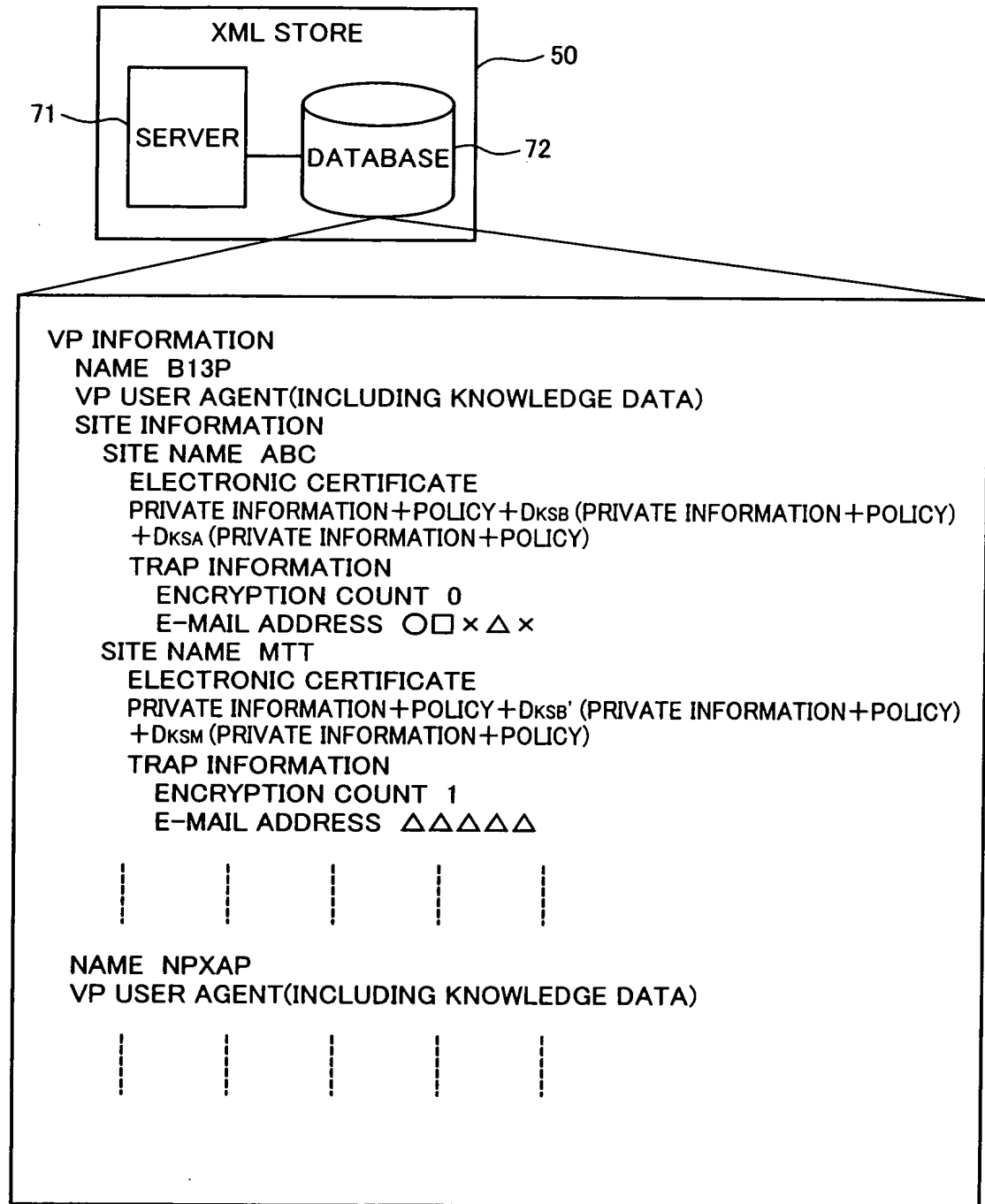


FIG.6

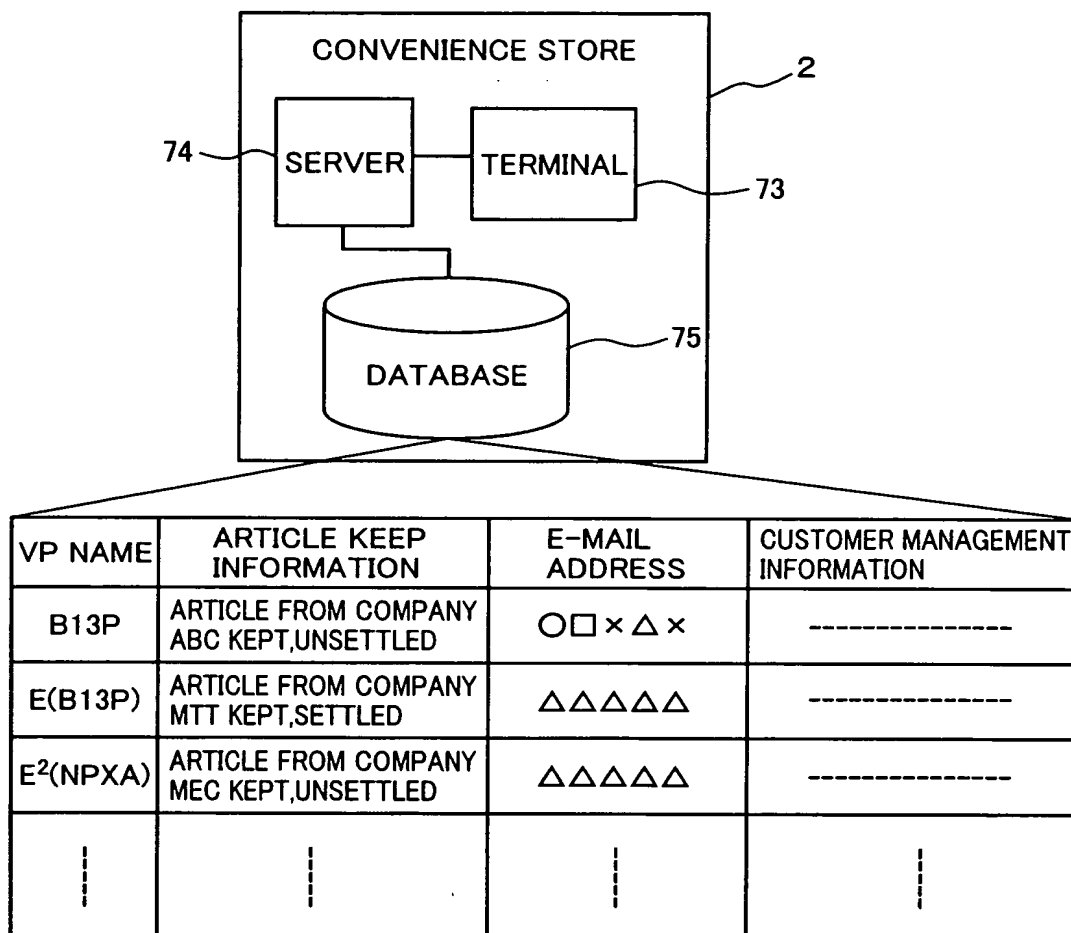


FIG. 7

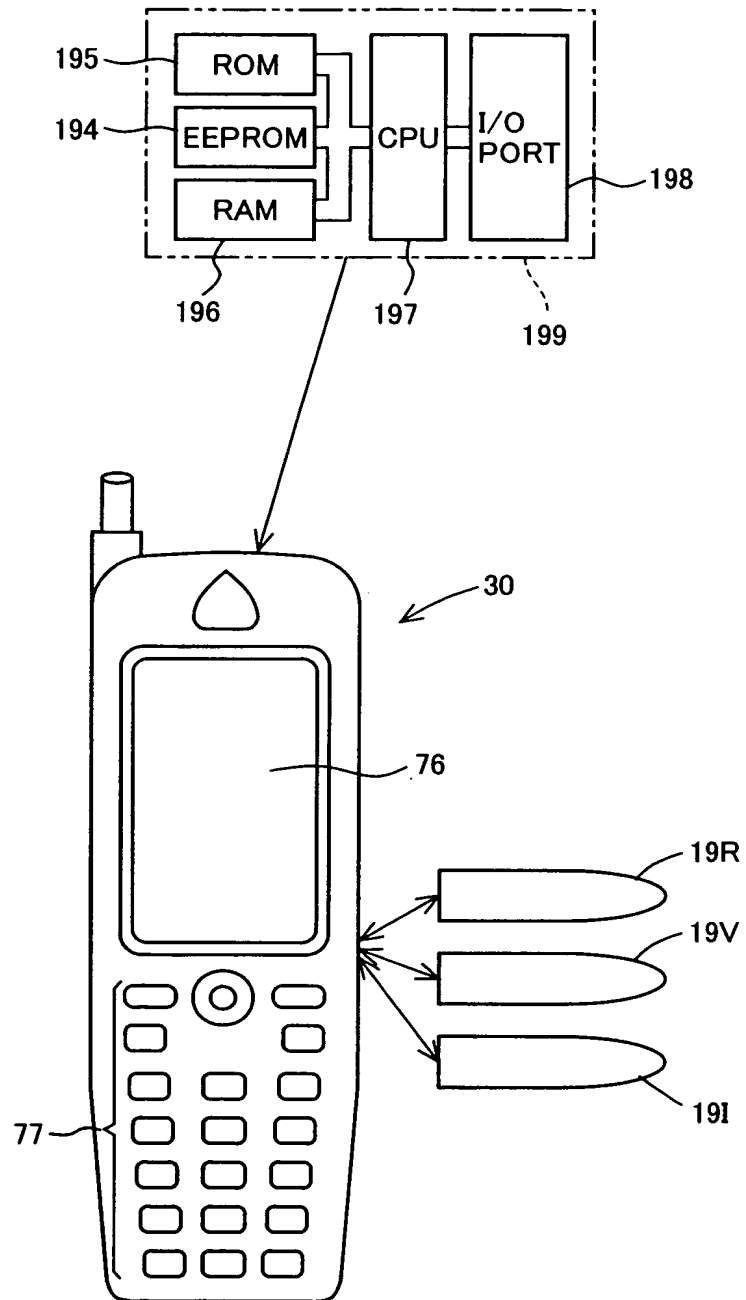


FIG.8

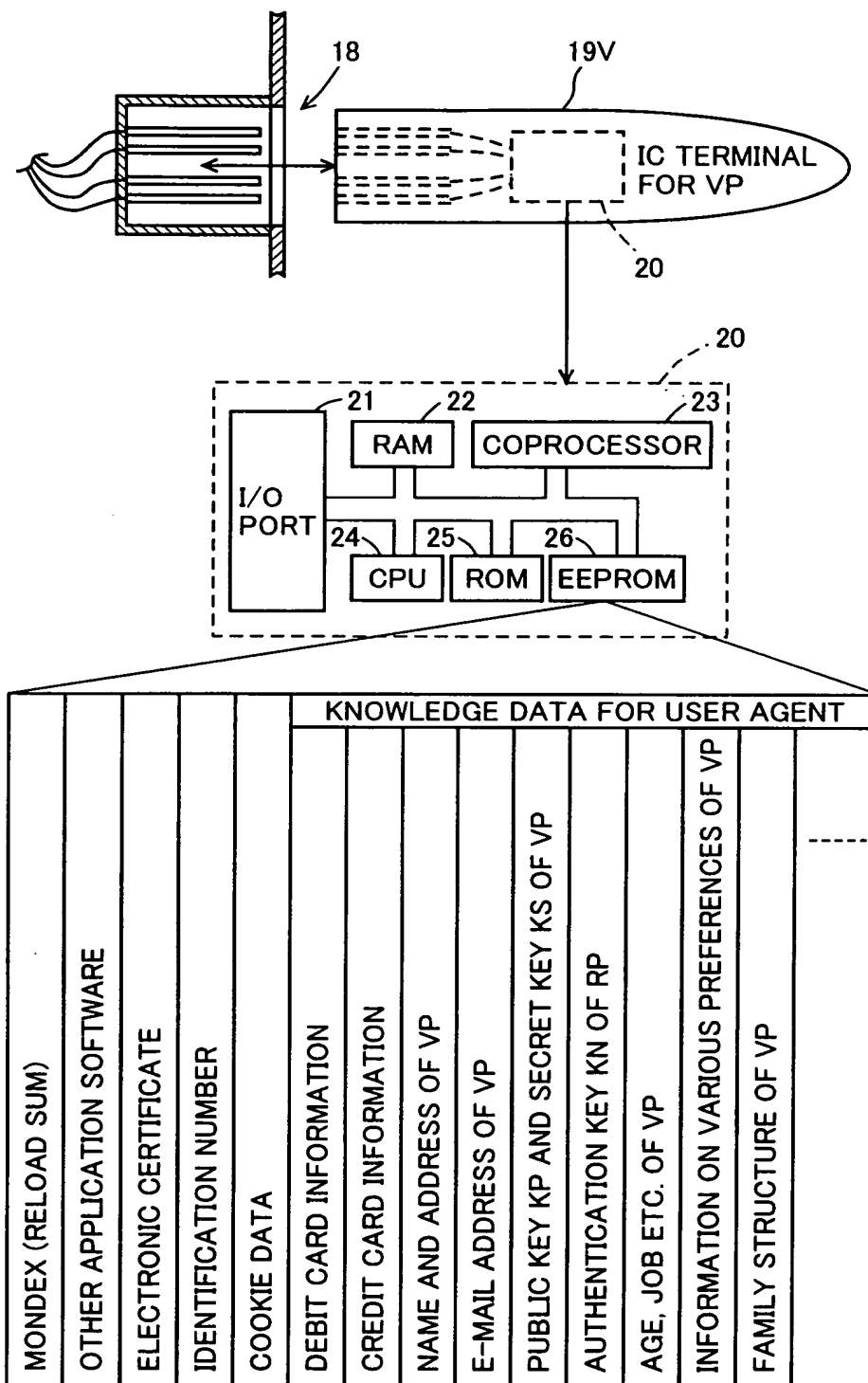


FIG.9

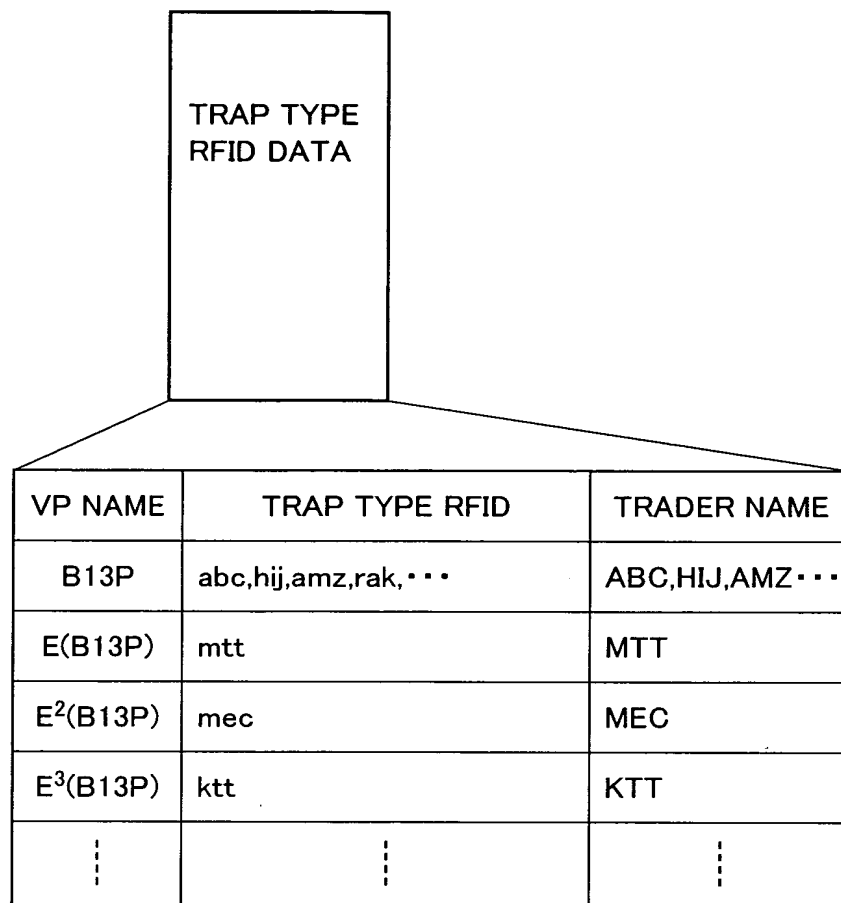


FIG.10

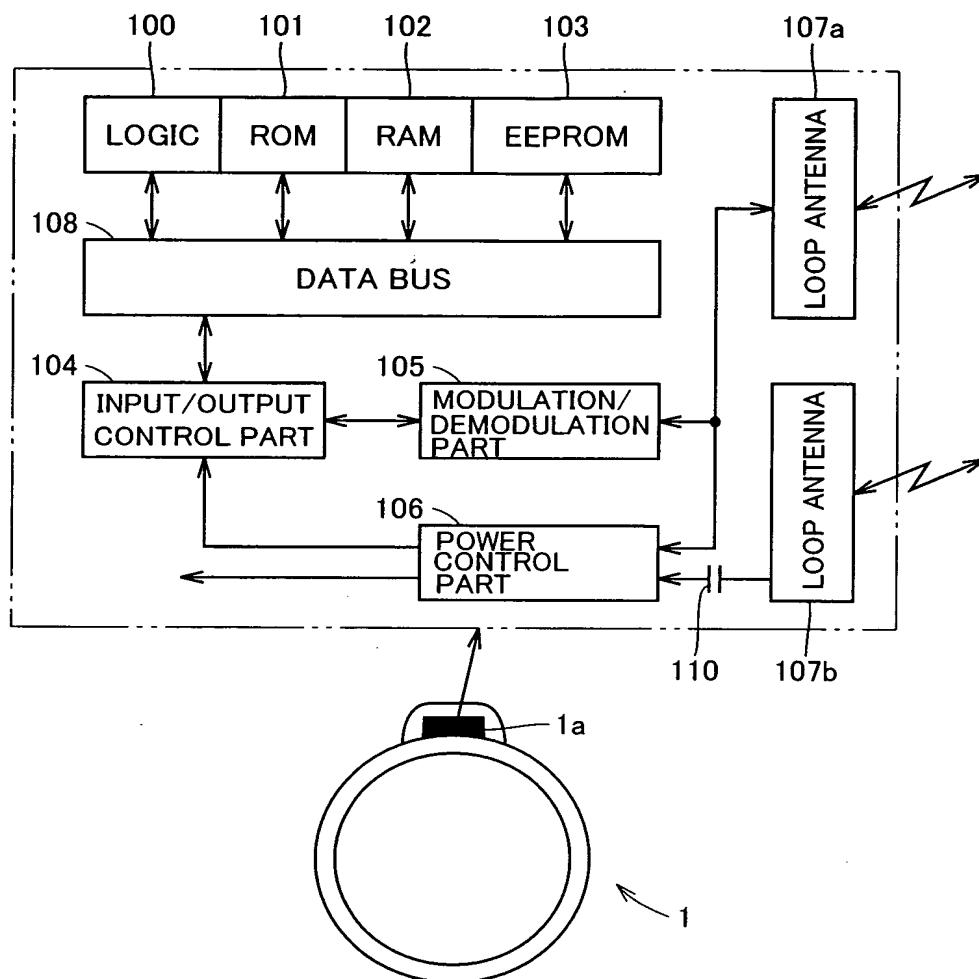


FIG.11

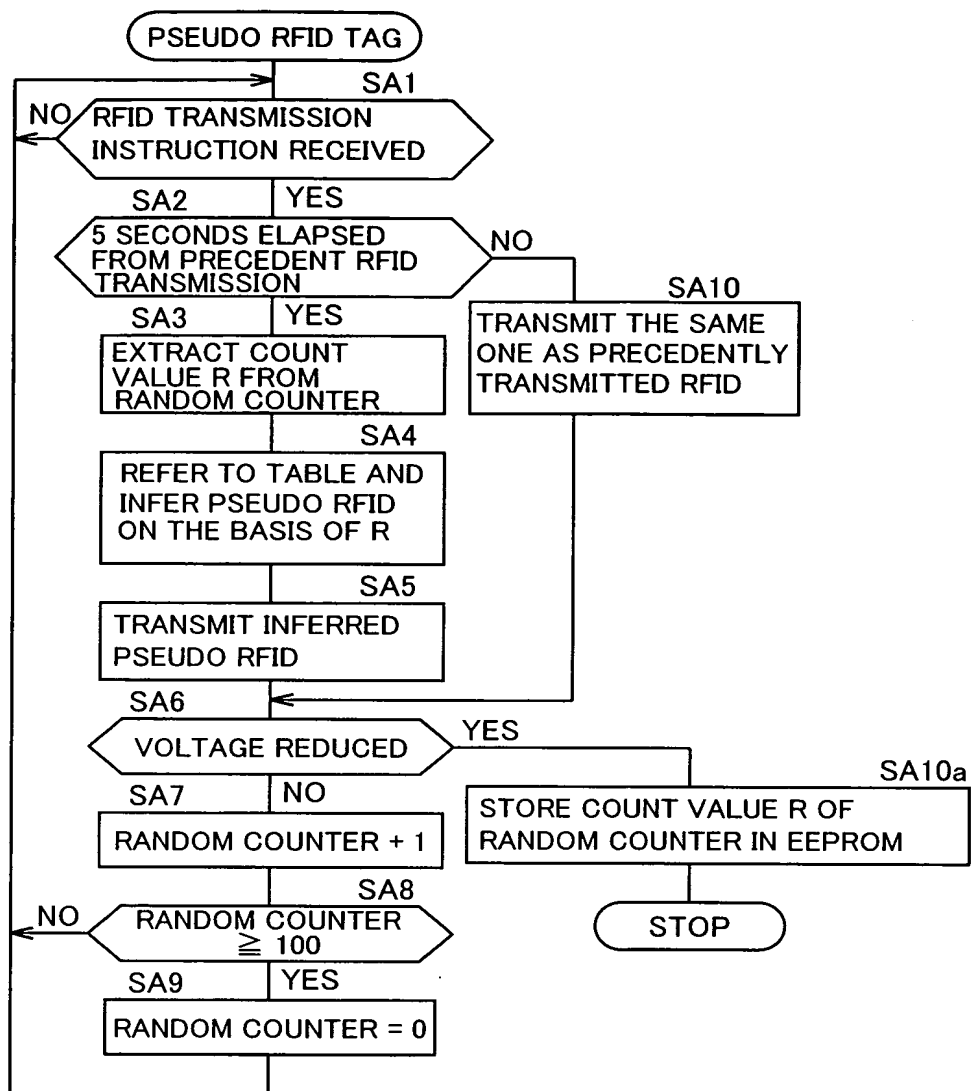


FIG.12

(a)

R	0~39	40~54	55~69	70~84	85~99
RFID	820493176	730854709	813926081	791405731	835406912

(b)

R	0~39	40~54	55~69	70~84	85~99
RFID1	831709281	793102792	814358231	840526390	751052891
RFID2	779203980	809132041	849137655	789182509	850021934
RFID3	839093127	749084765	788015233	850139767	802049344
RFID4	740980346	808645210	779288401	750561234	766104988

(c)

R	0~39	40~54	55~69	70~84	85~99
RFID1	799804511	717950841	899893020	879010300	700913561
RFID2	779203980	709130241	749182655	889121509	750021214
RFID3	839093127	849048765	888062233	750161767	702049319
RFID4	740980346	708642510	879264401	850561202	856104923

FIG.13

(a)

COMMON PSEUDO RFID	SALES AREA
820493176	CHIYODA-KU
809207321	SHINJUKU-KU
831902845	SHIBUYA-KU
§	§
798091320	UKYO-KU

(b)

COMMON PSEUDO RFID	SALES AREA
779203980 839093127 740980346	CHIYODA-KU
810391562 781529055 808892177	SHINJUKU-KU
§	§
788718955 845590329 822770945	UKYO-KU

FIG.14

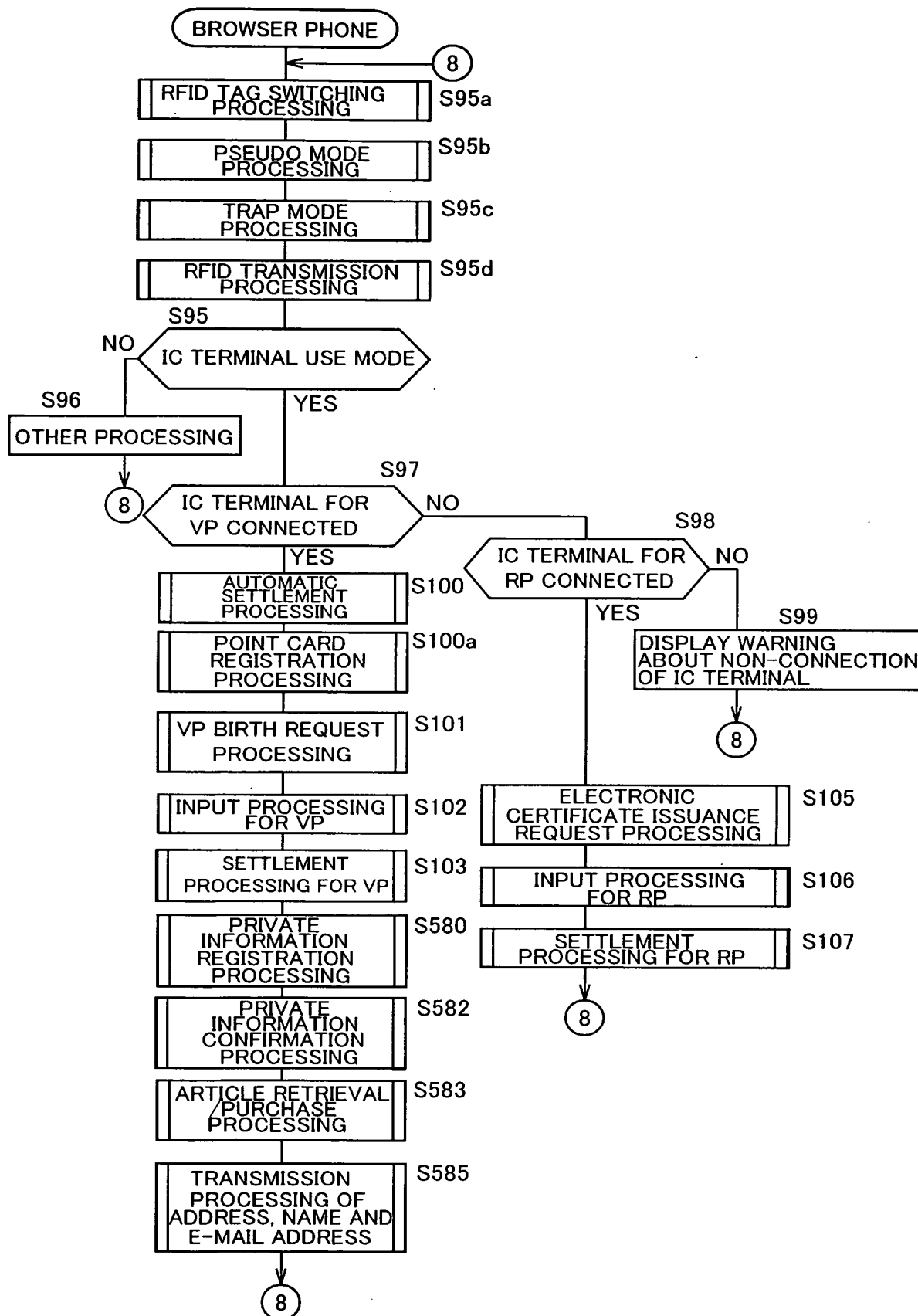


FIG.15

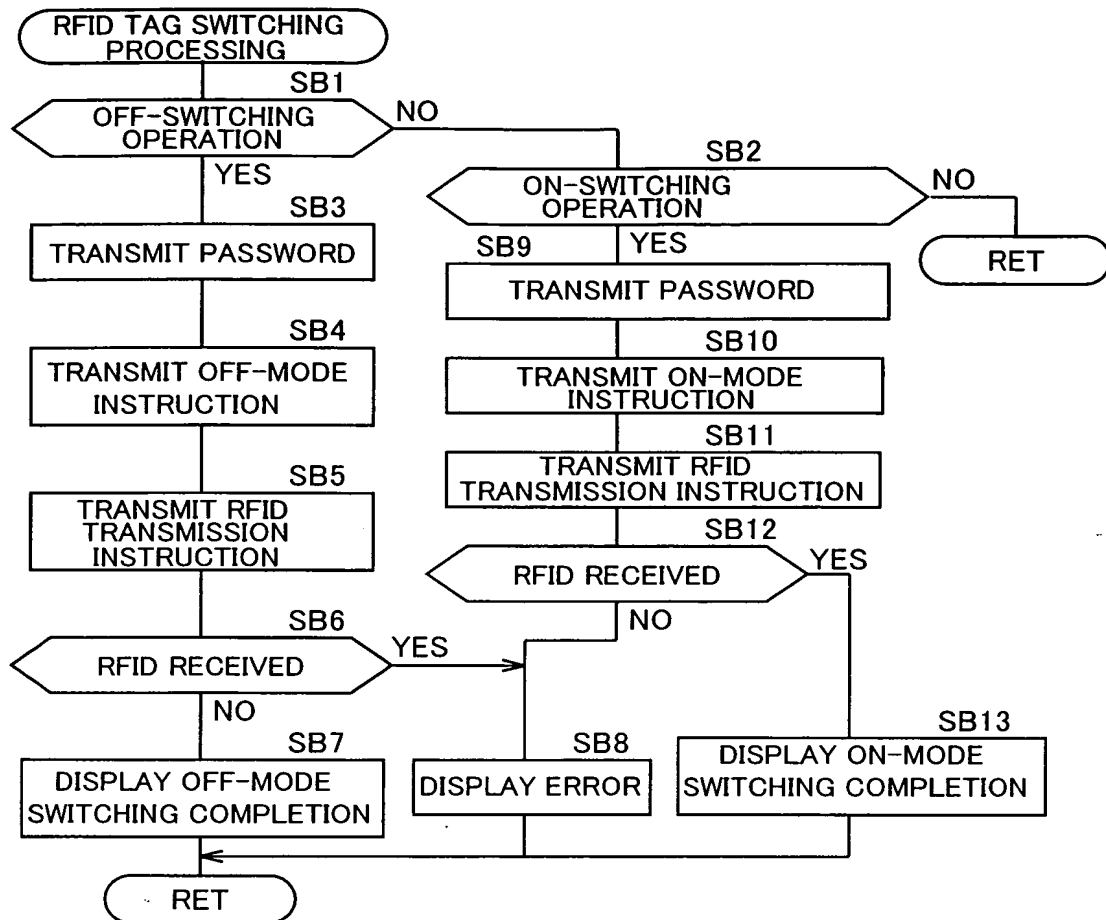


FIG.16

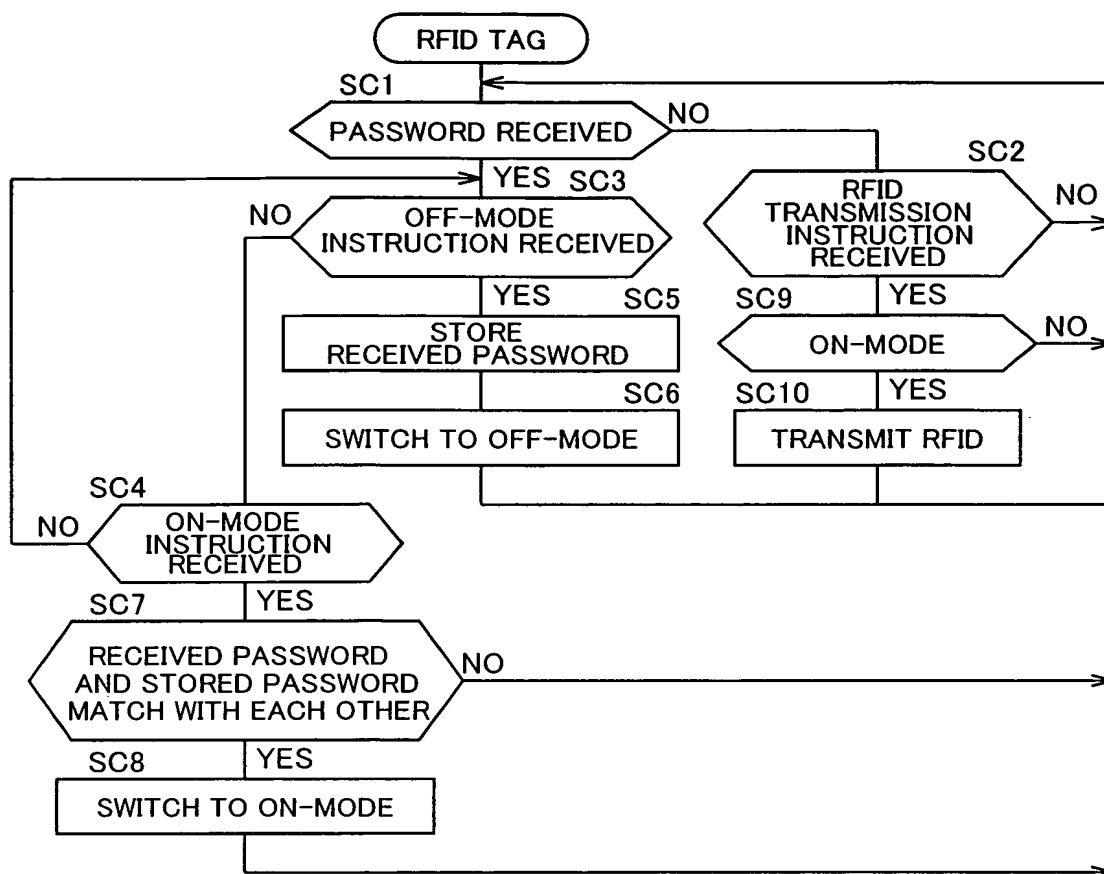


FIG.17

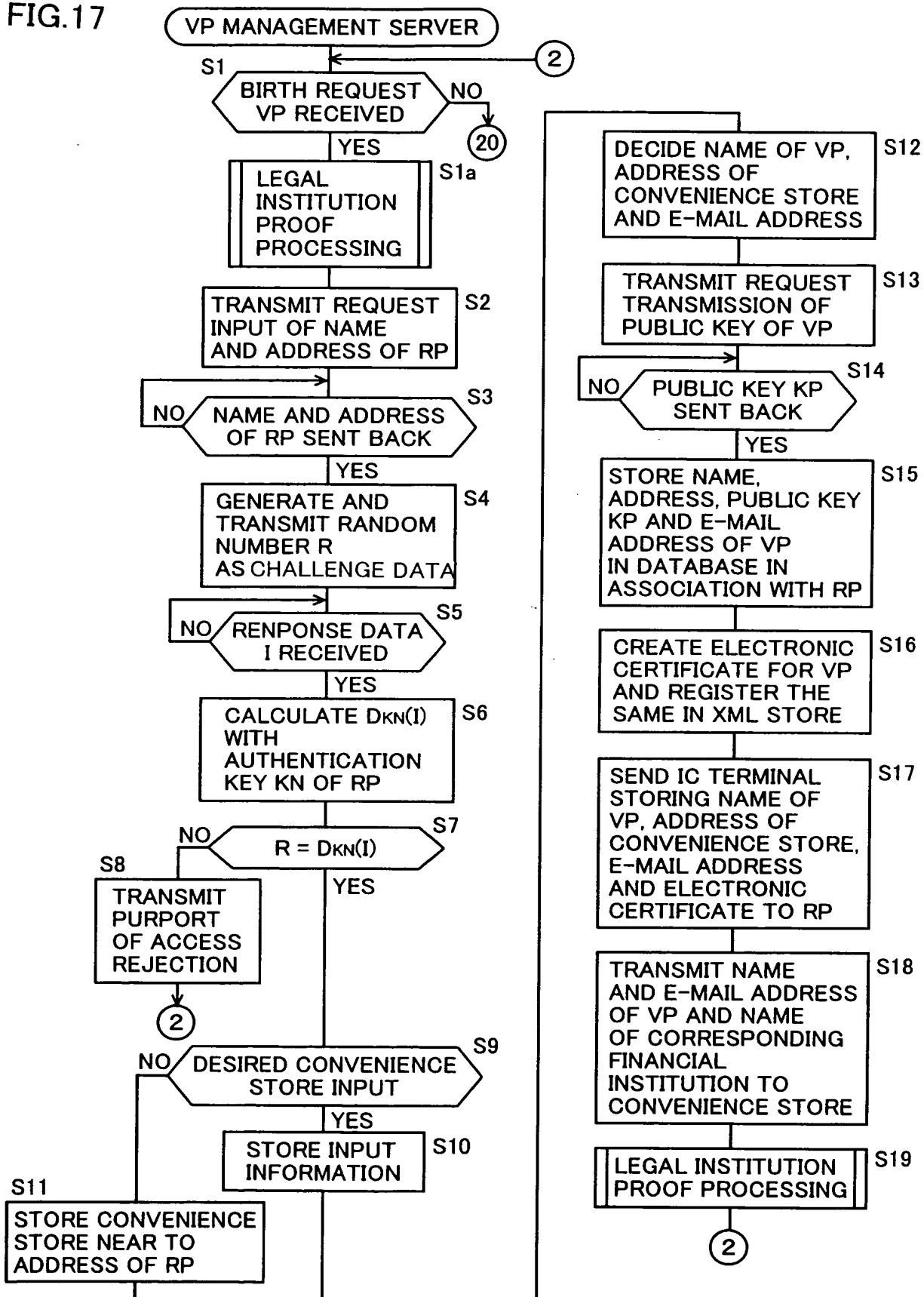


FIG.18

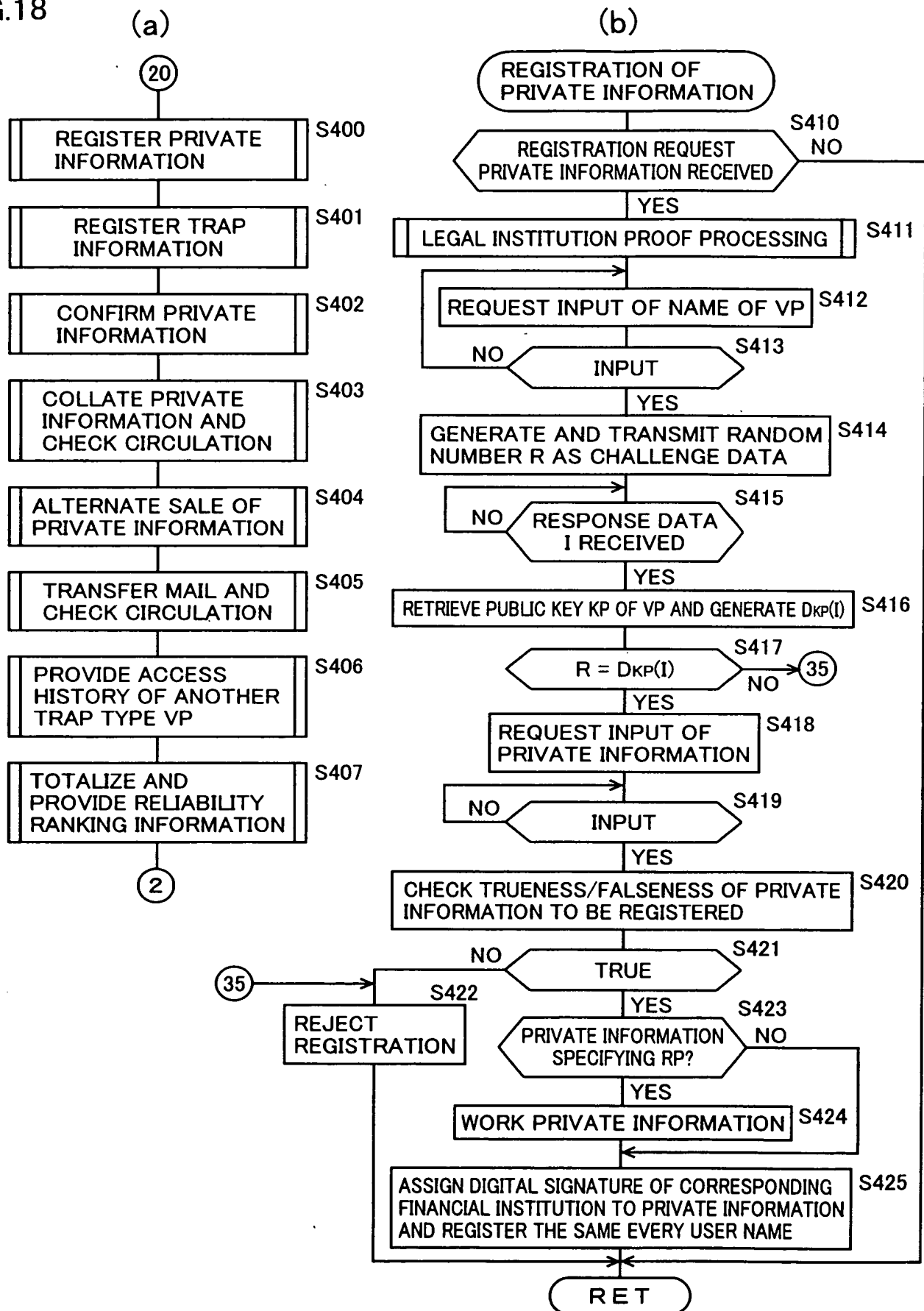


FIG.19

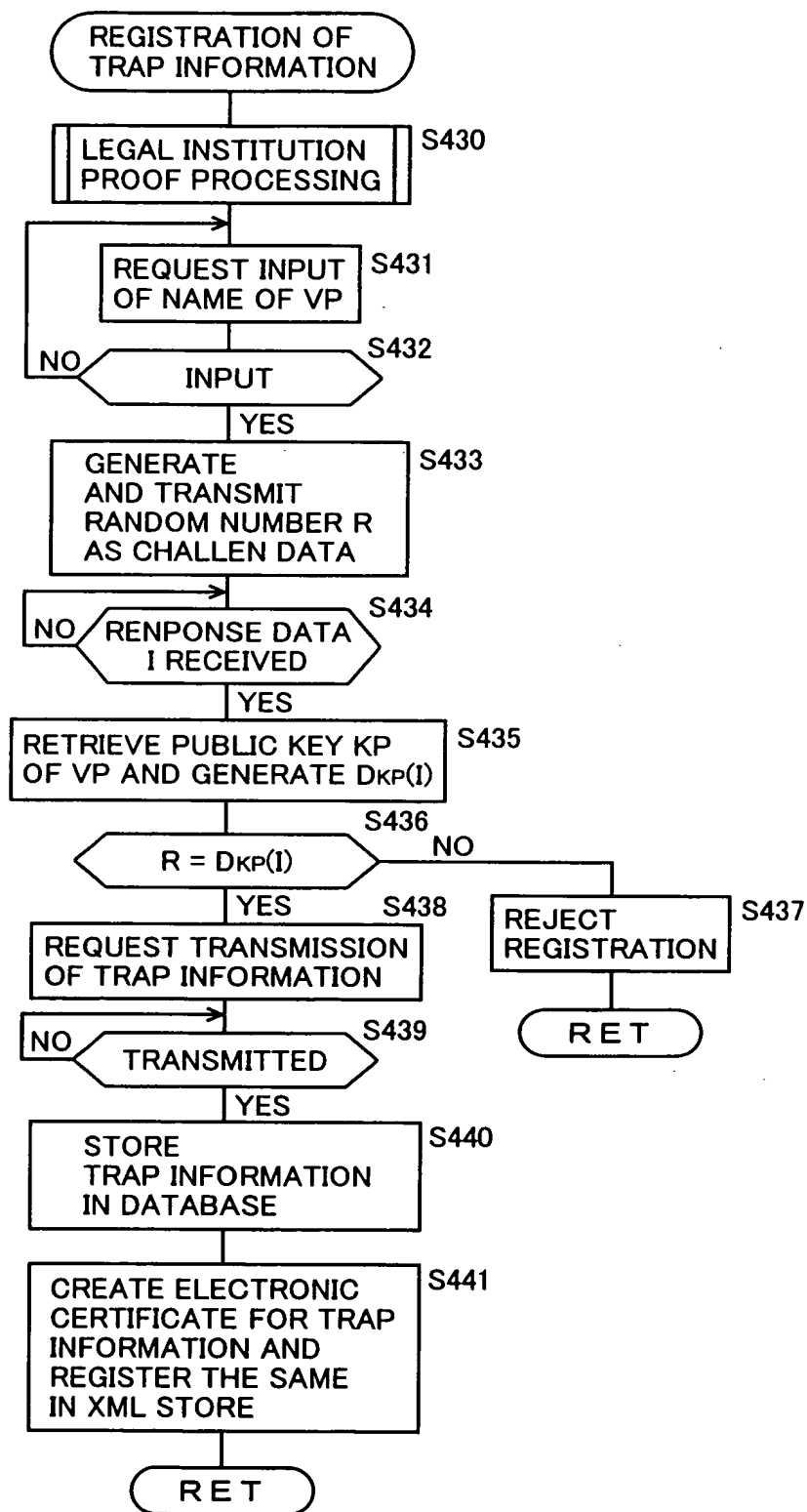


FIG.20

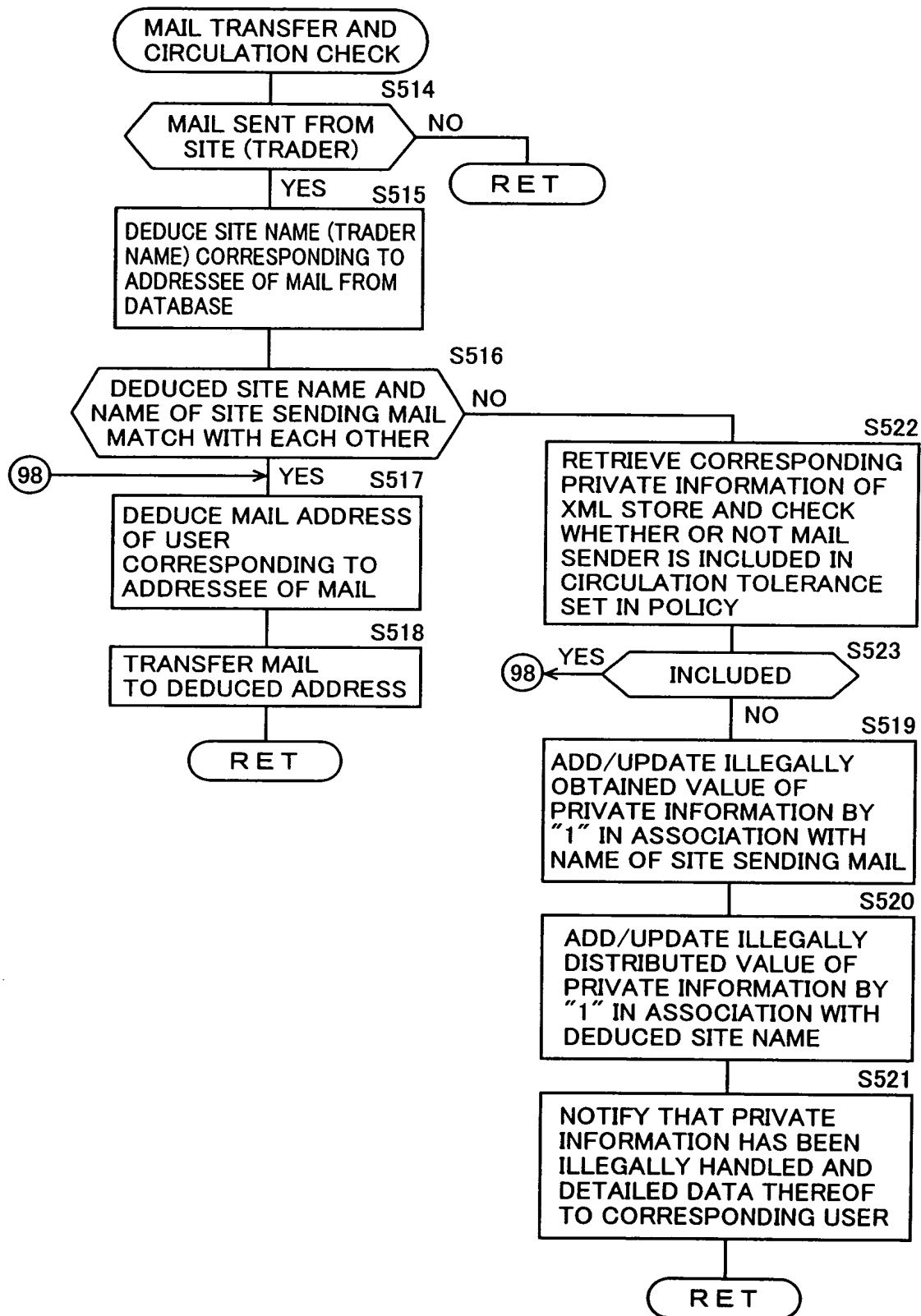


FIG.21

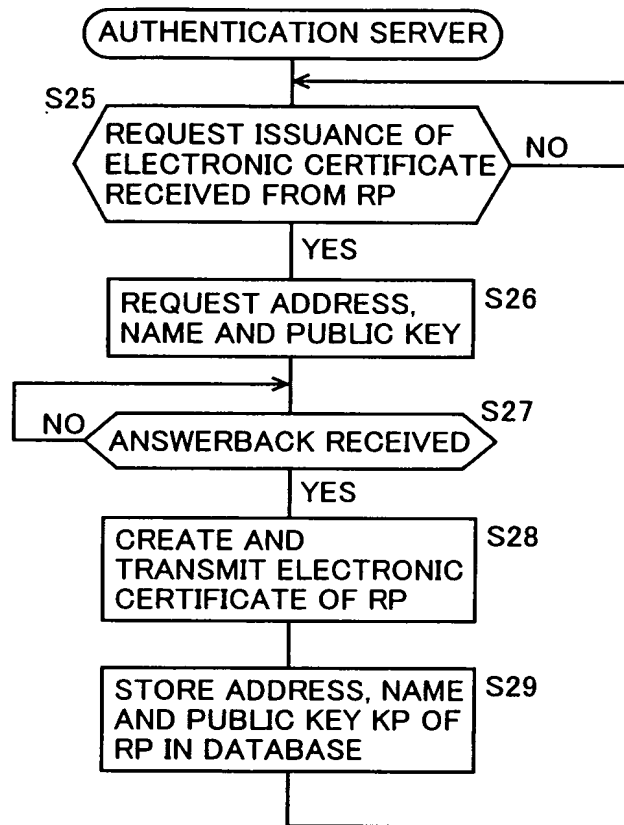


FIG.22

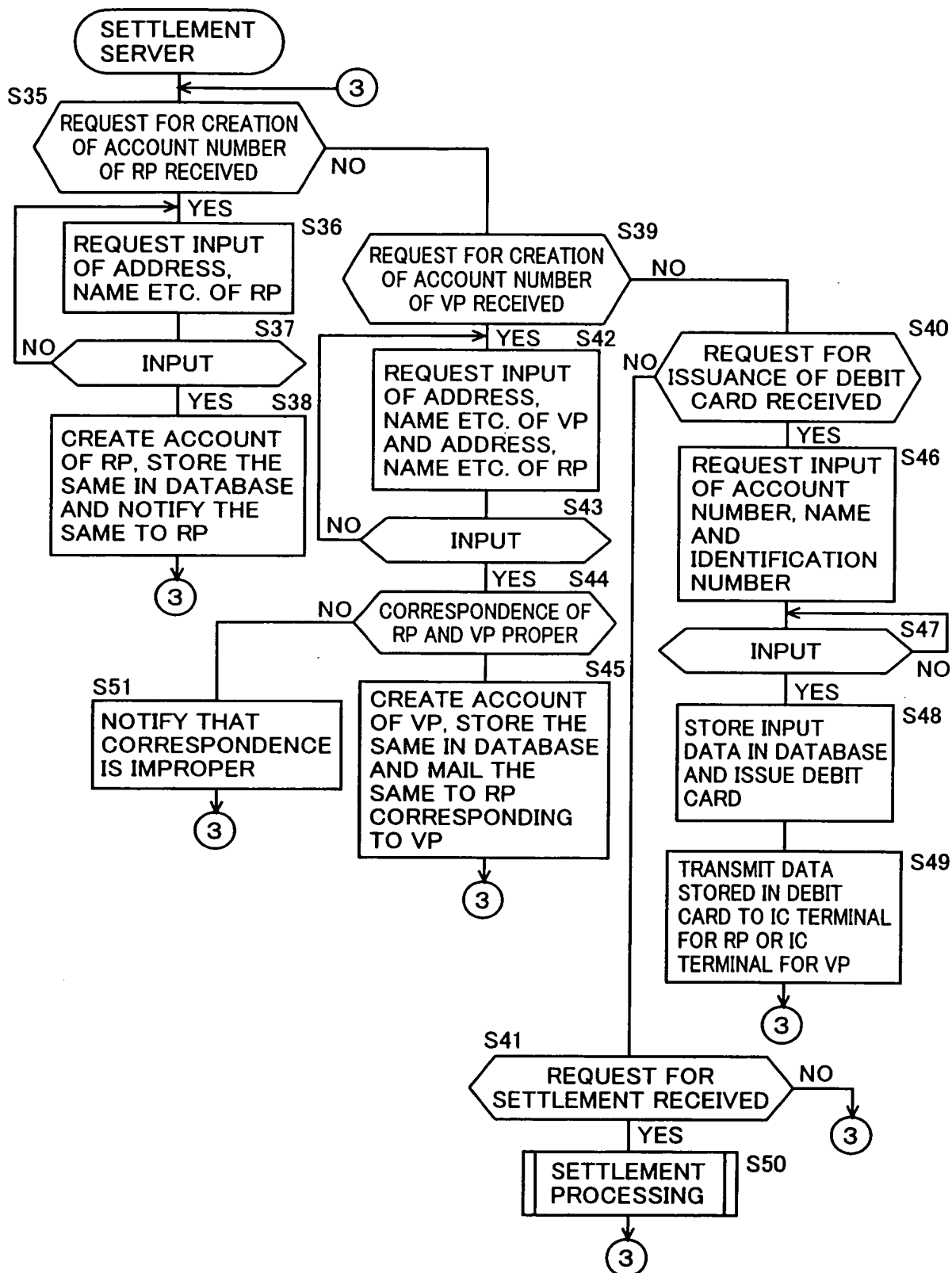


FIG.23

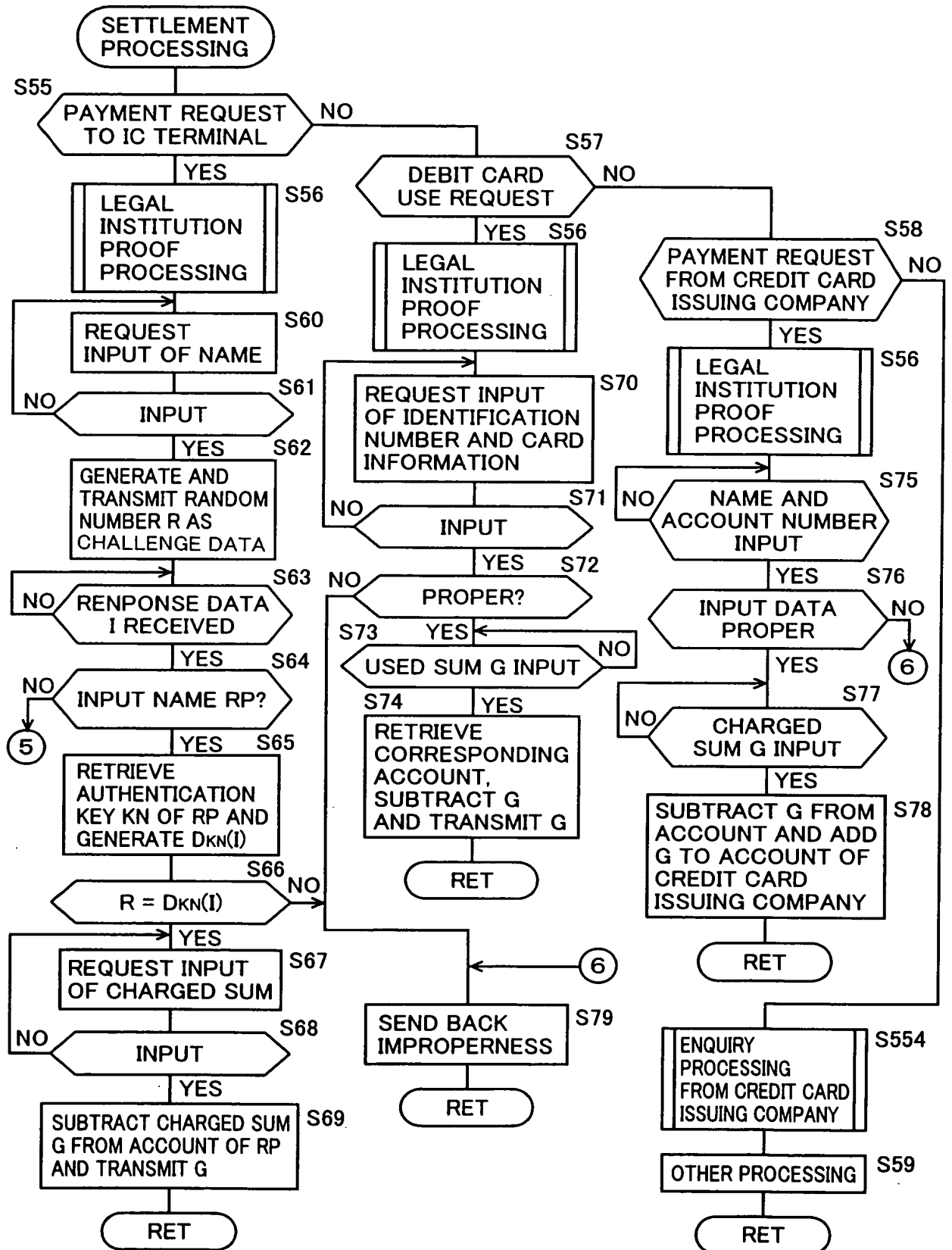


FIG.24

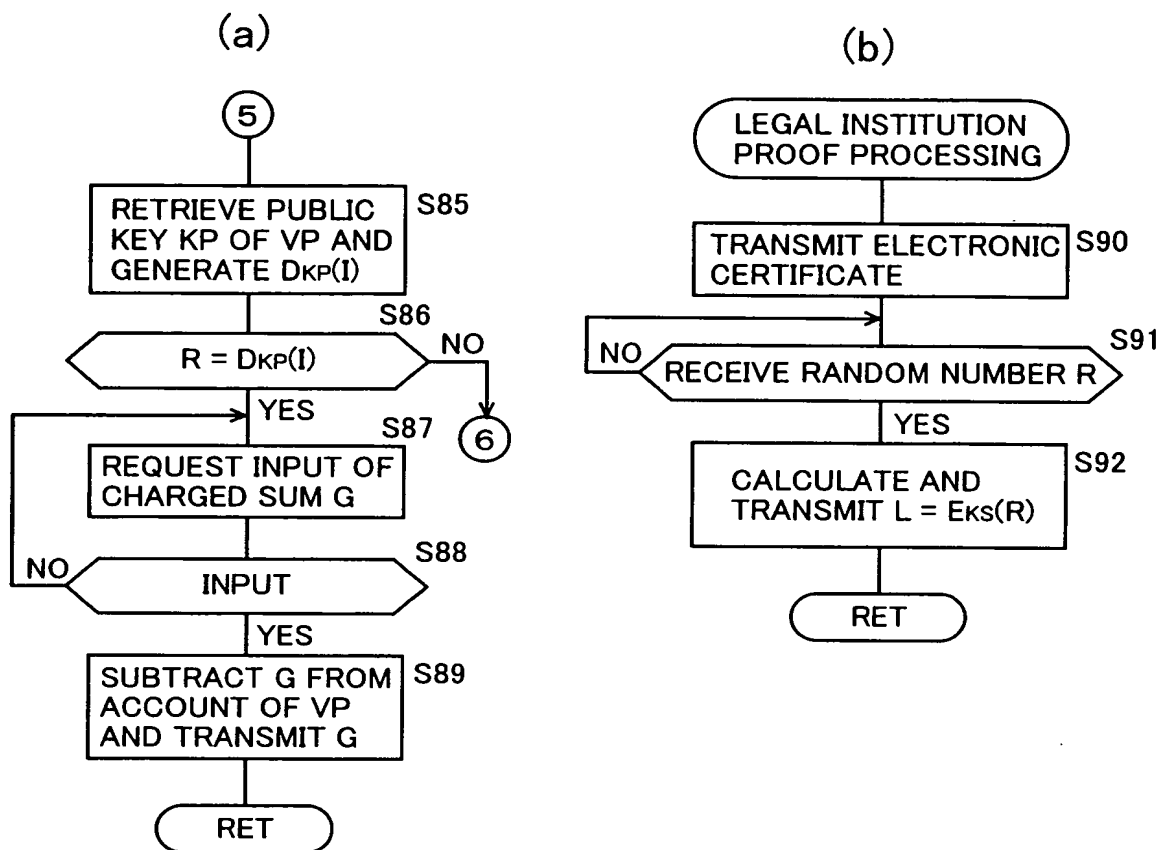


FIG.25

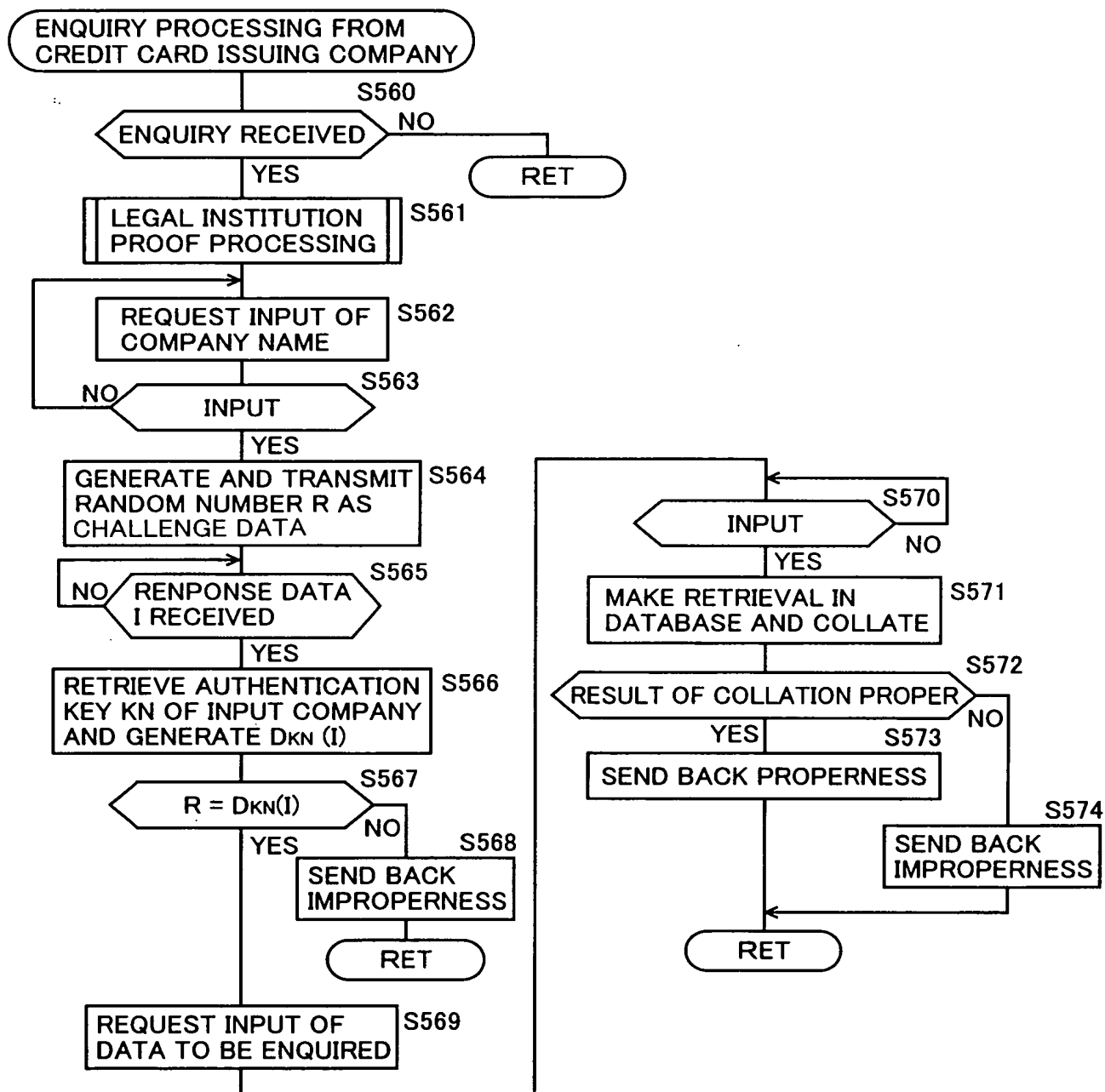


FIG.26

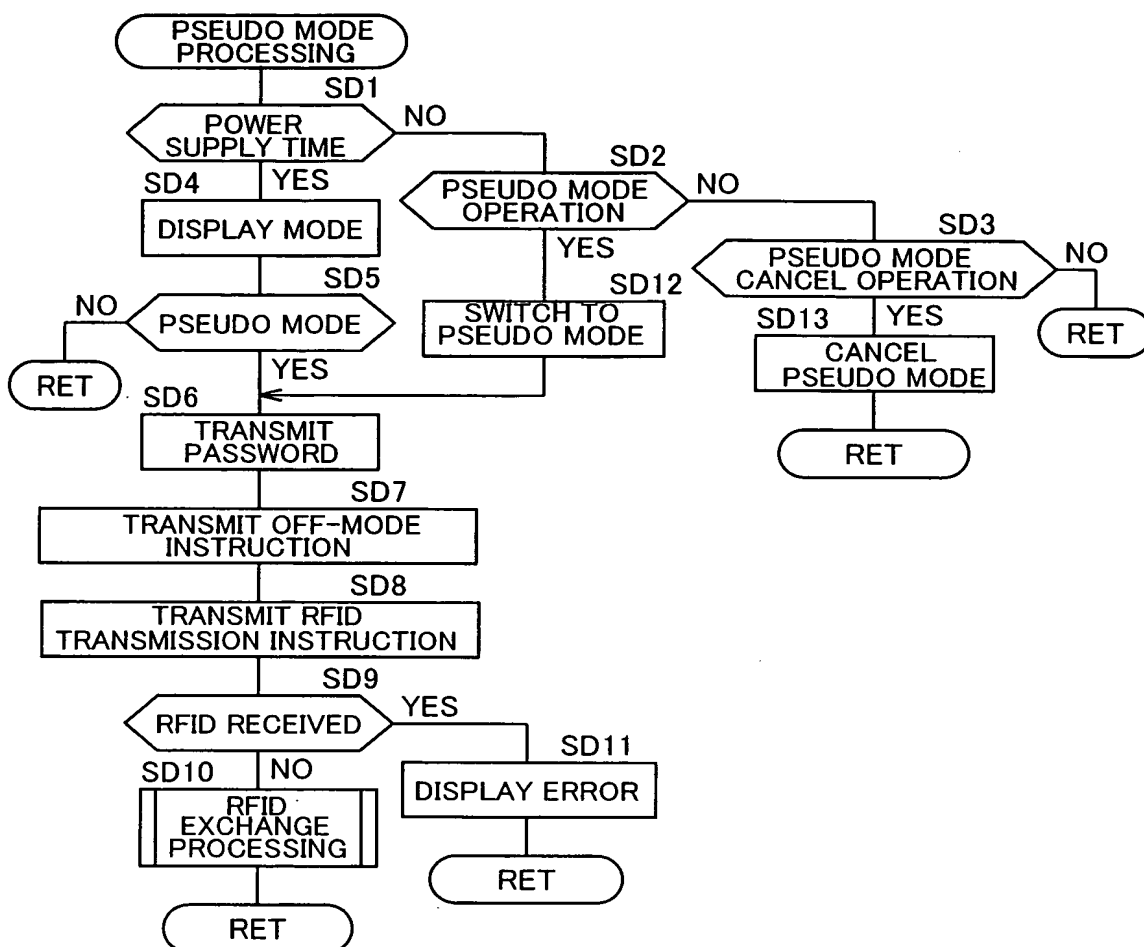


FIG.27

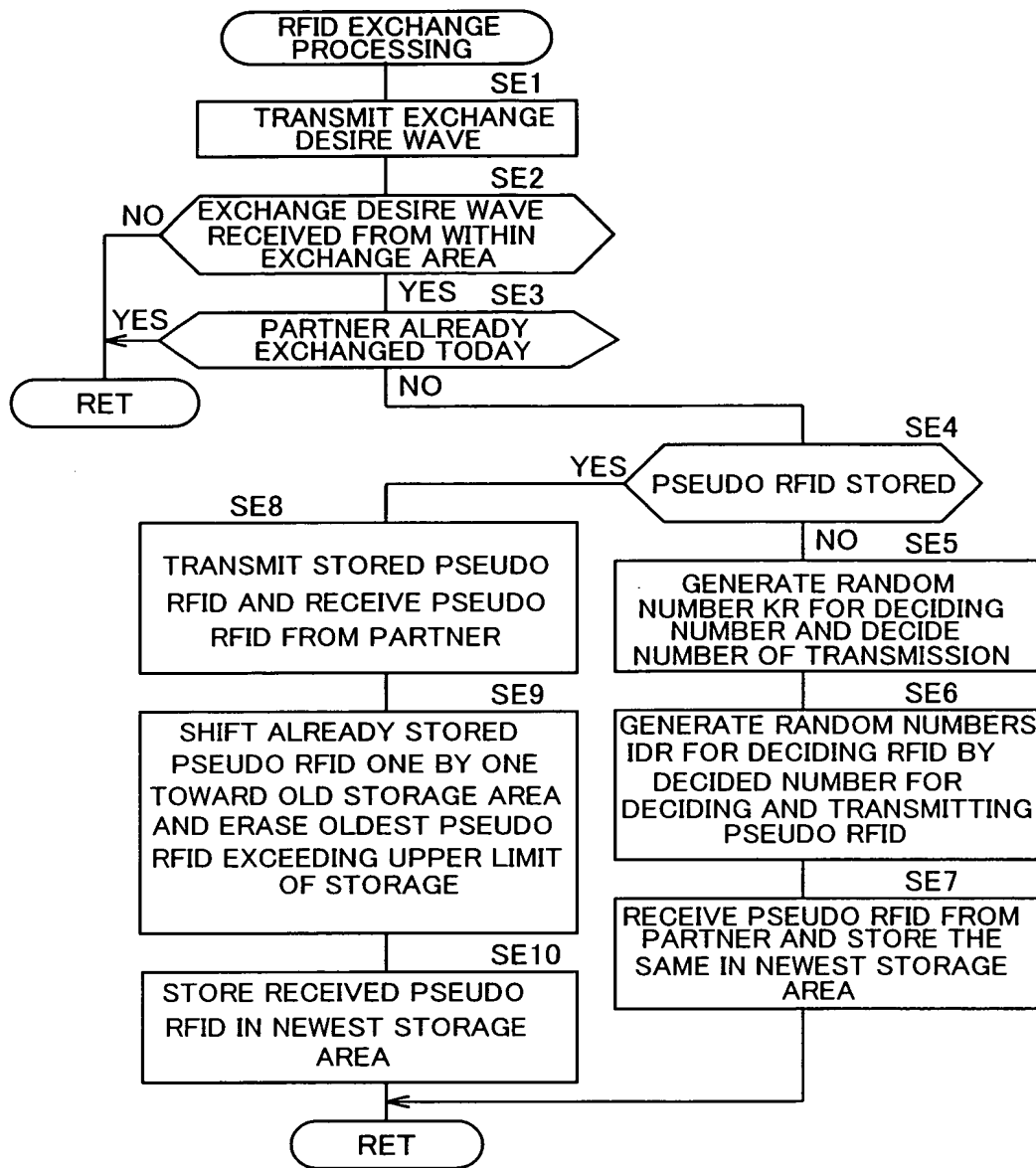


FIG.28

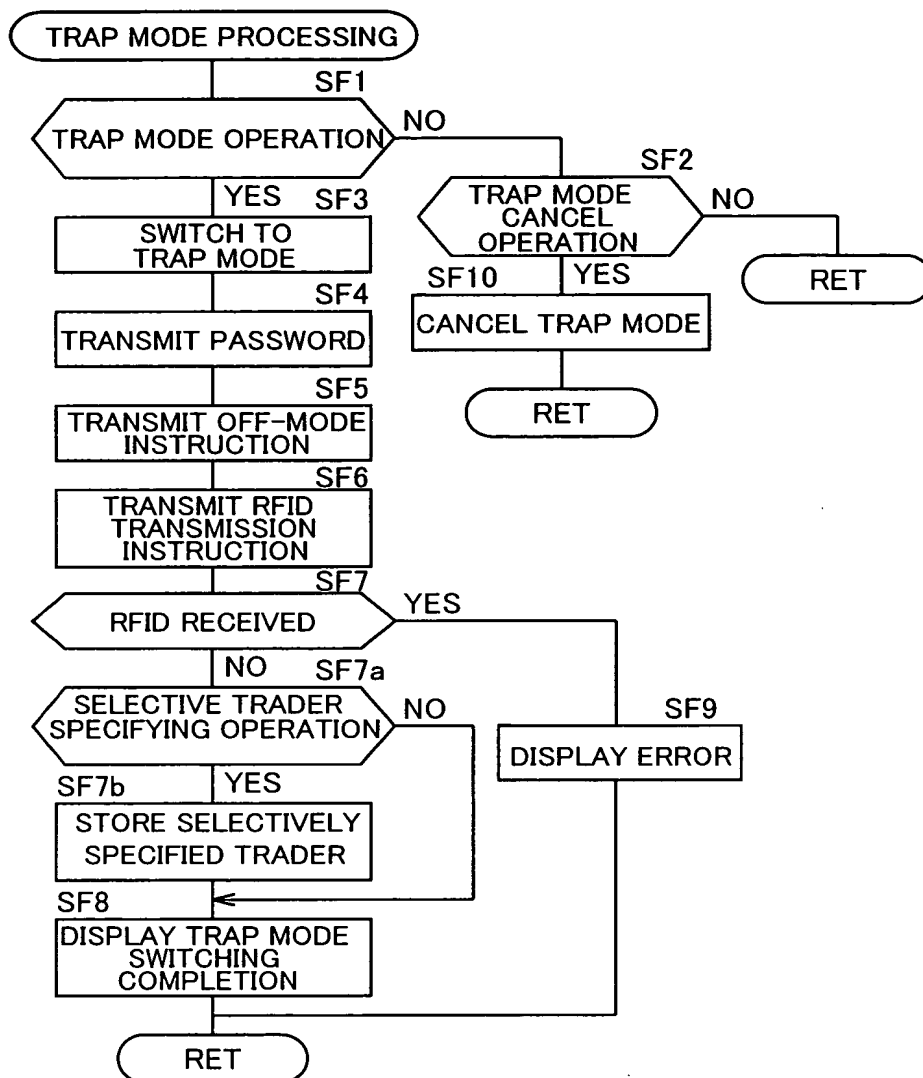


FIG.29

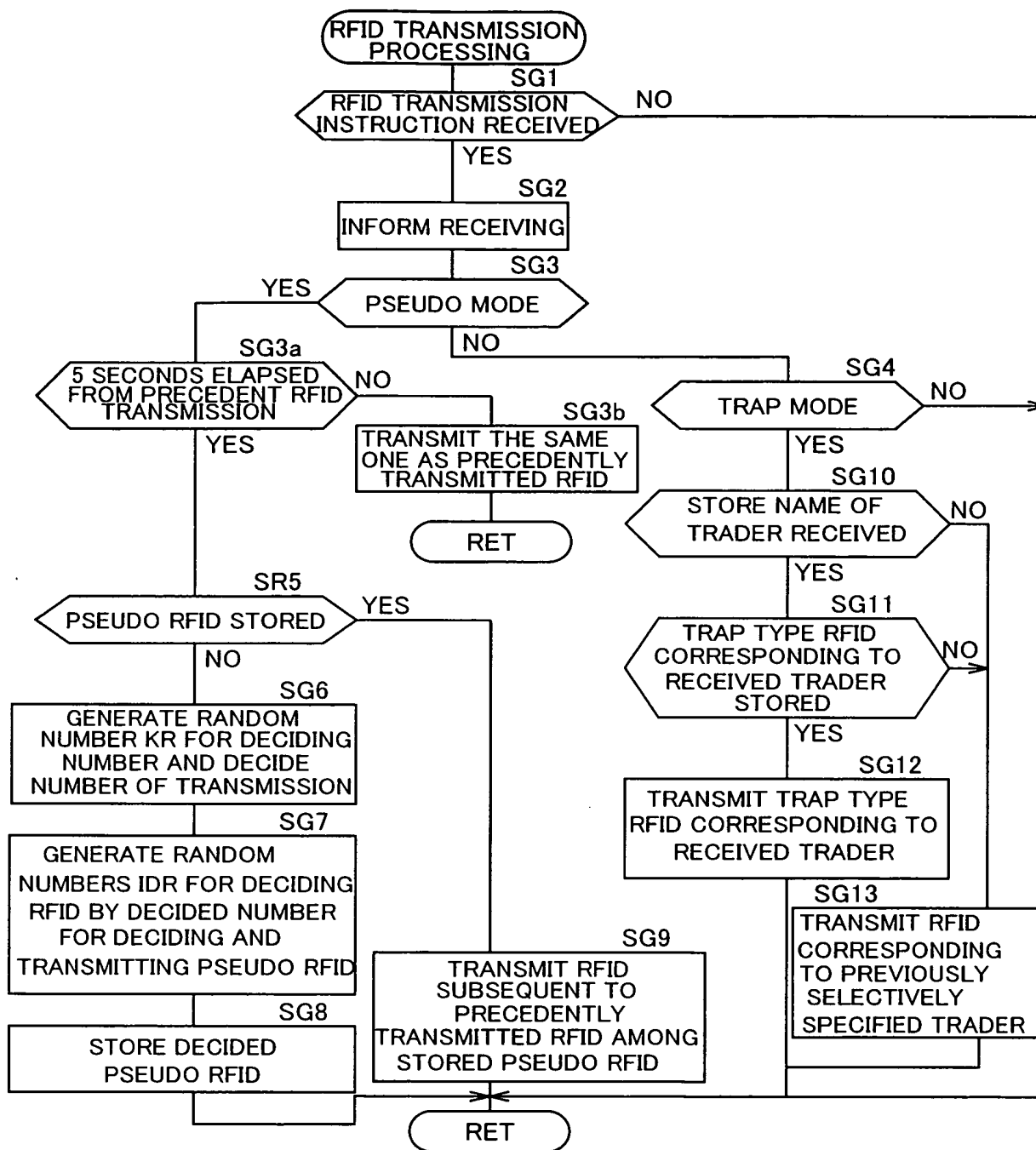


FIG.30

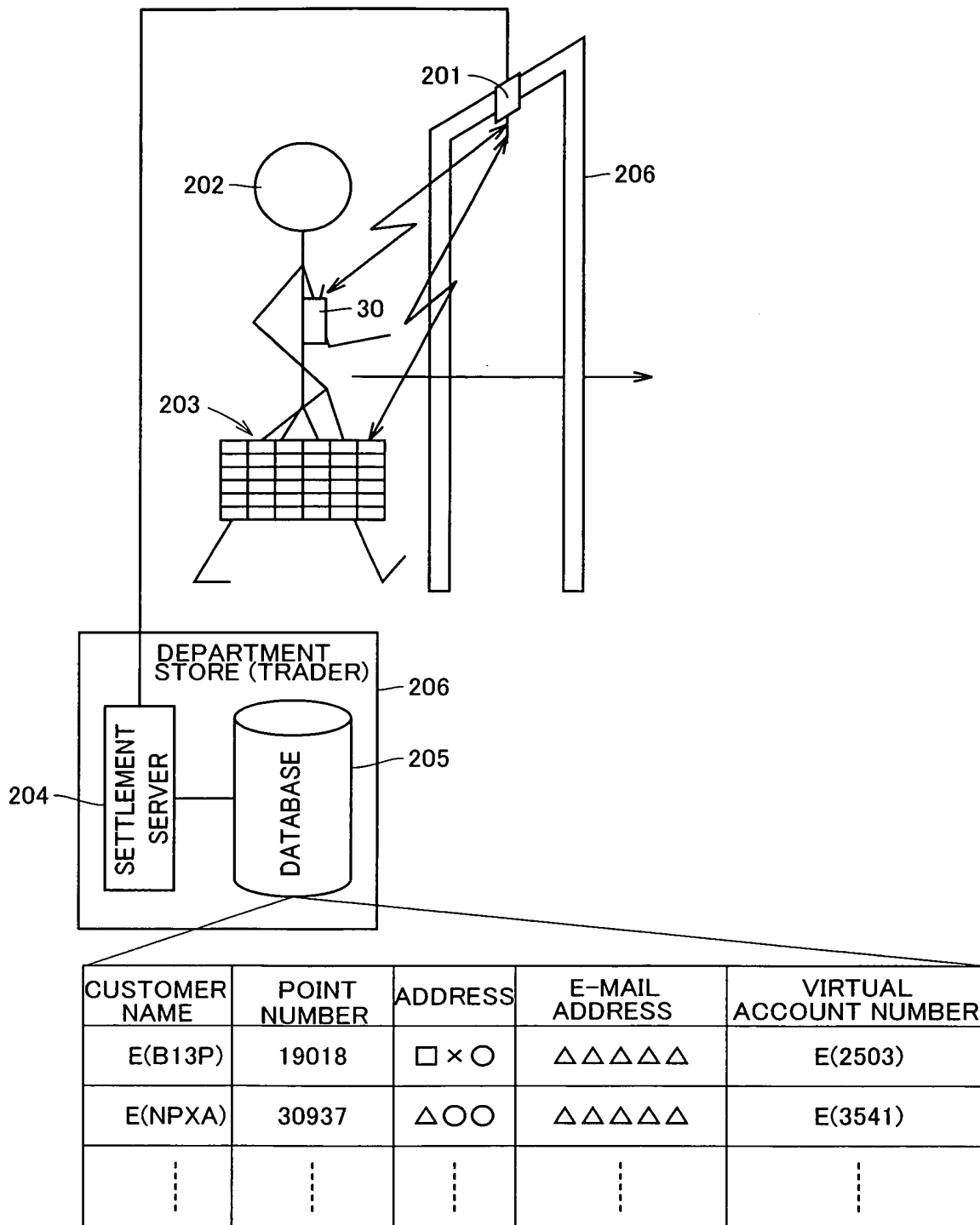


FIG.31

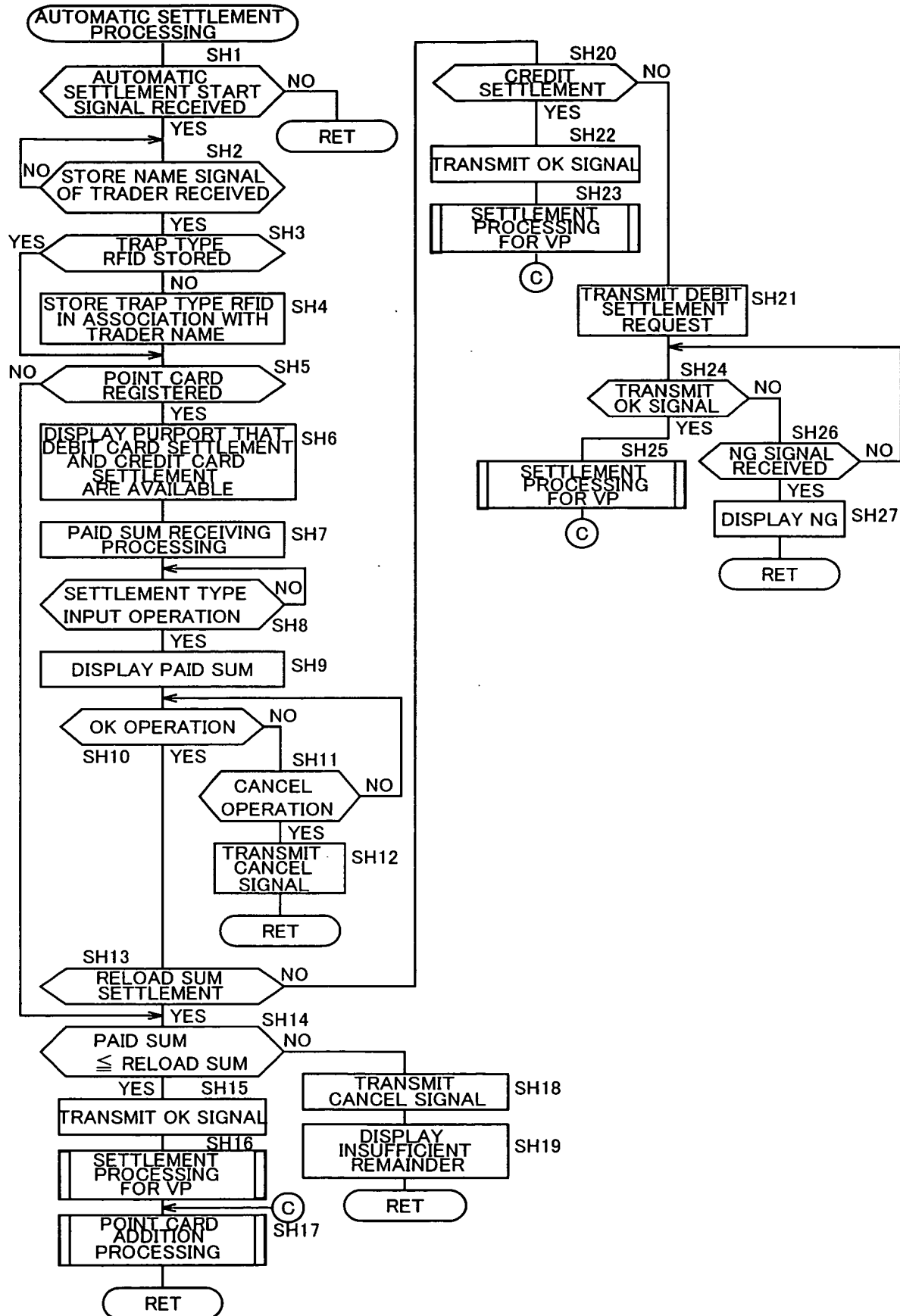


FIG.32

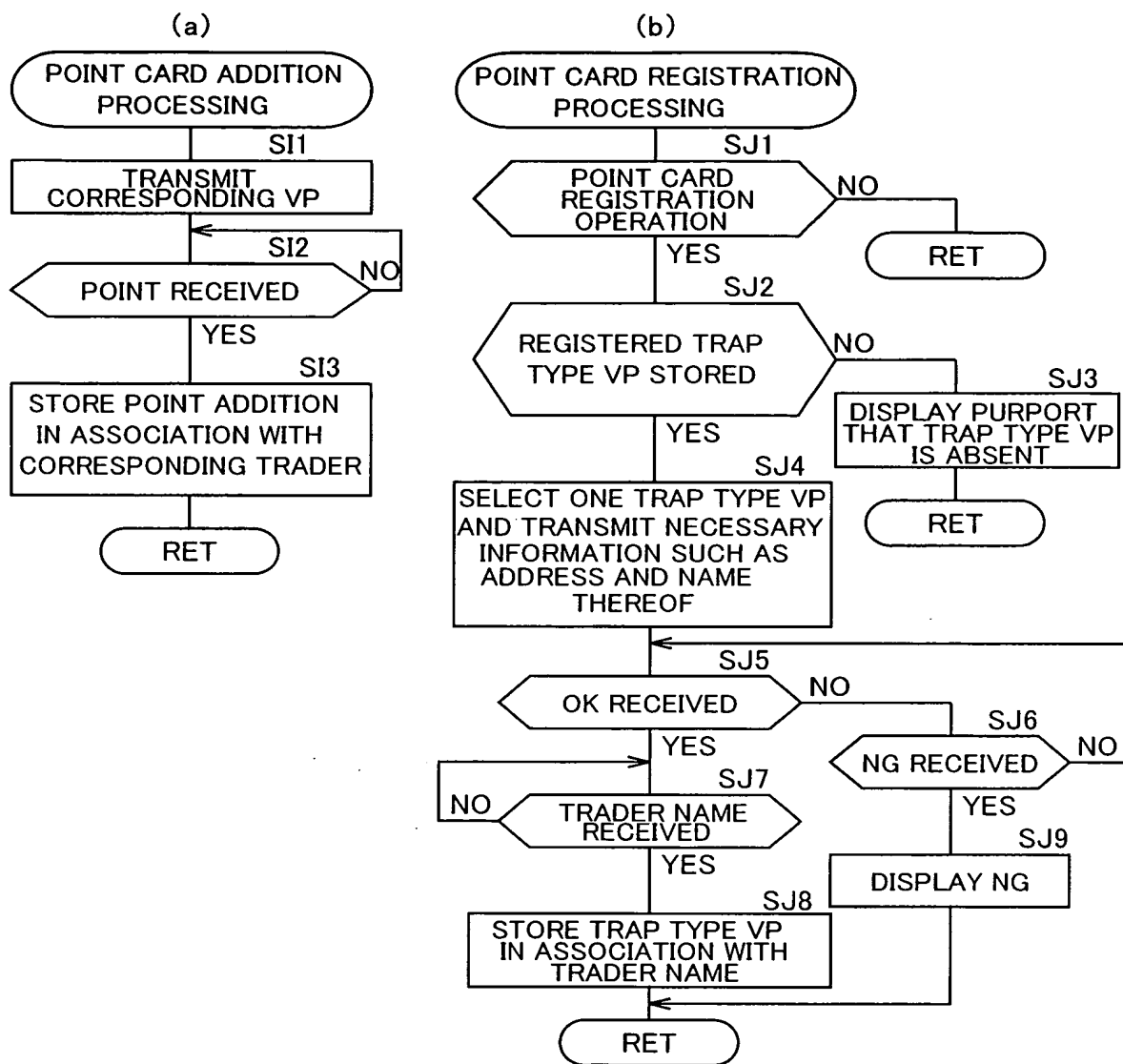


FIG.33

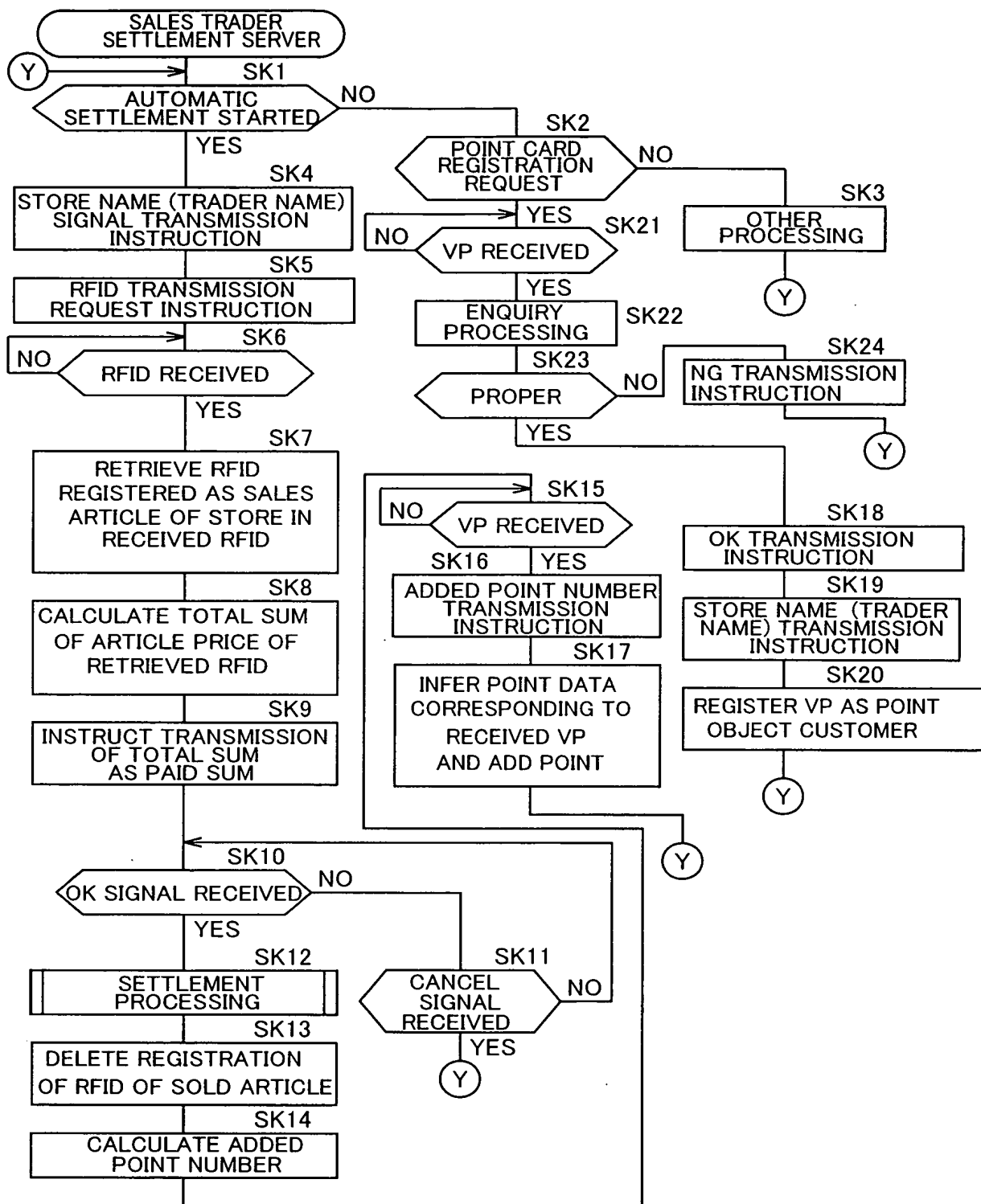


FIG.34

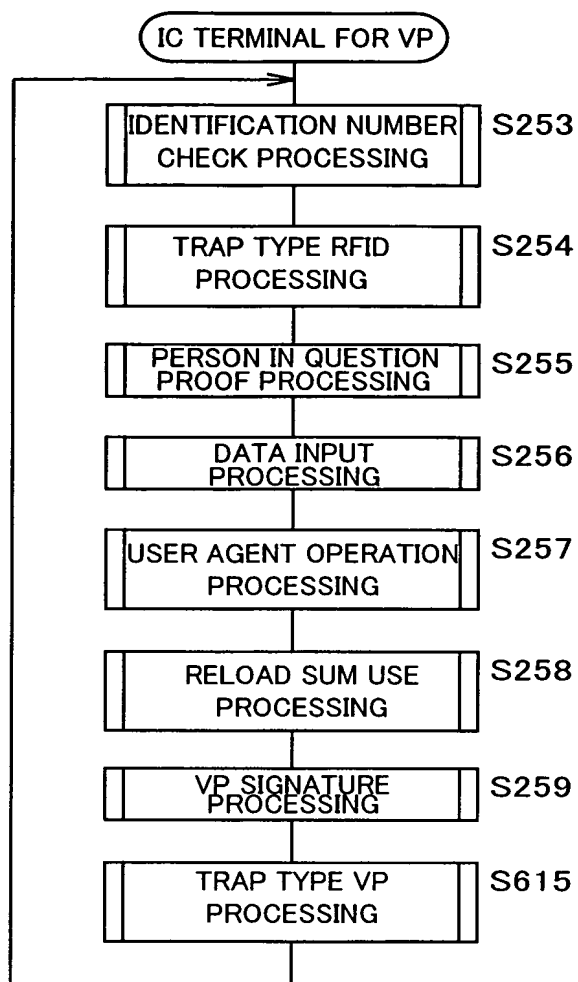


FIG.35

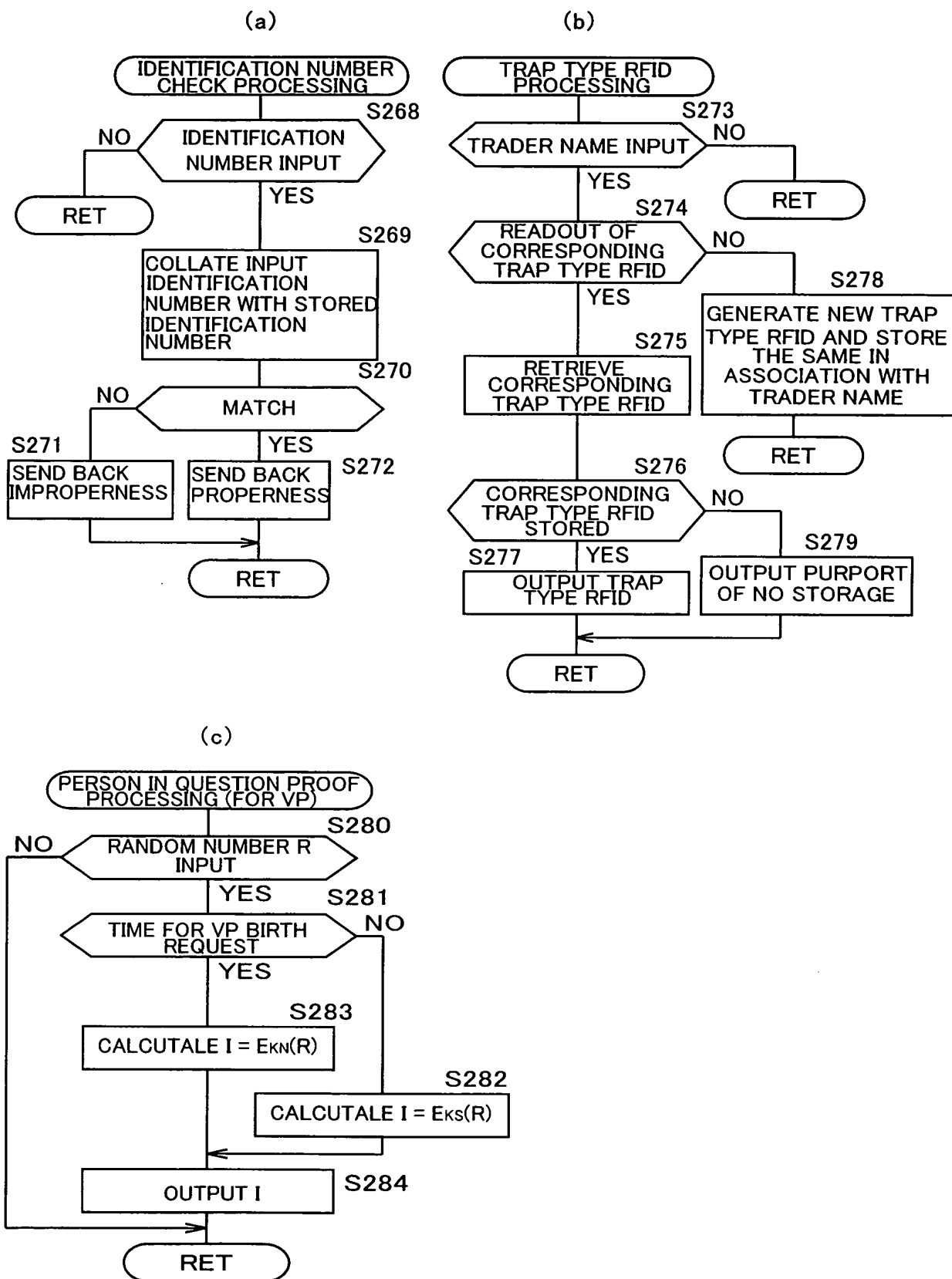


FIG.36

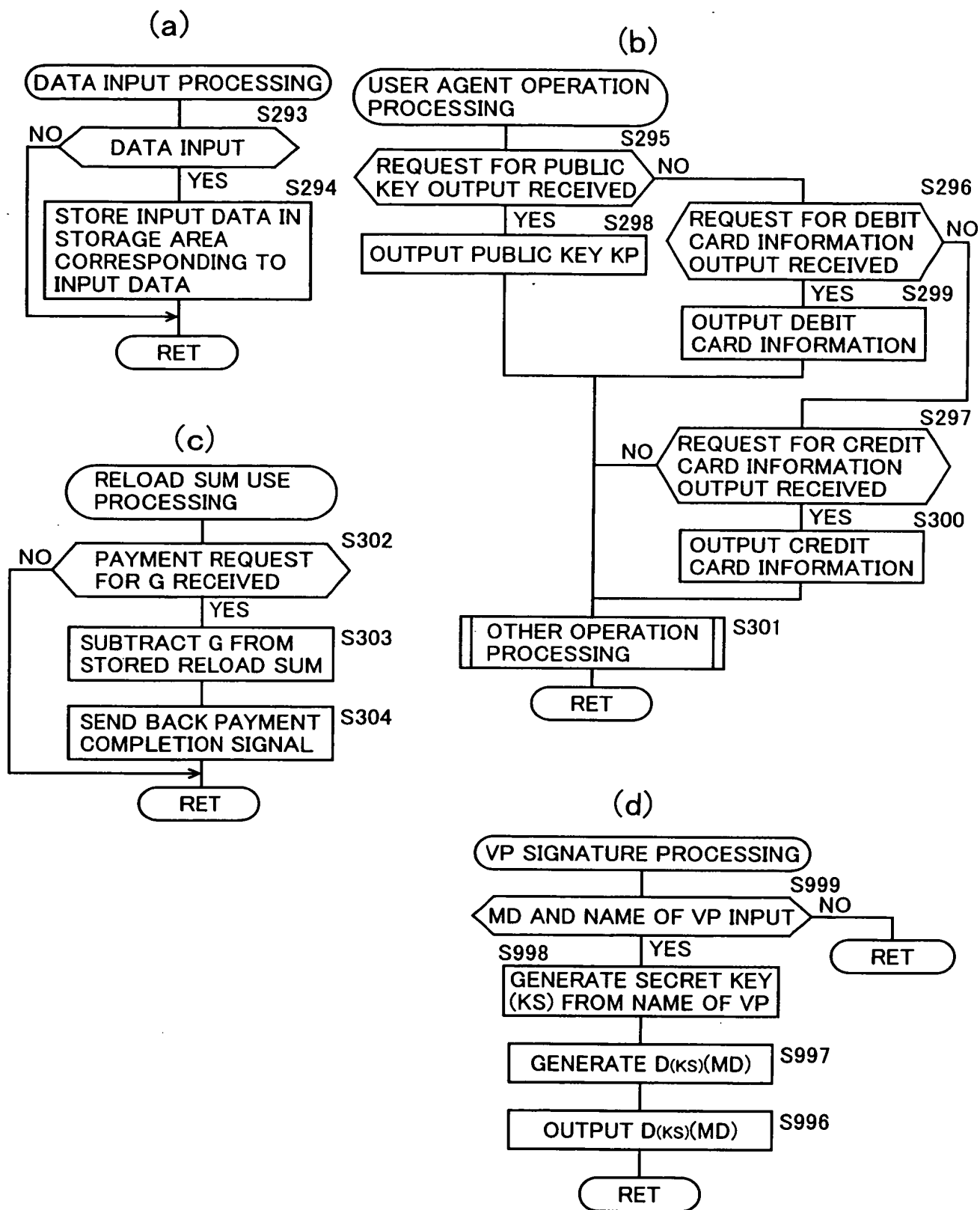


FIG.37

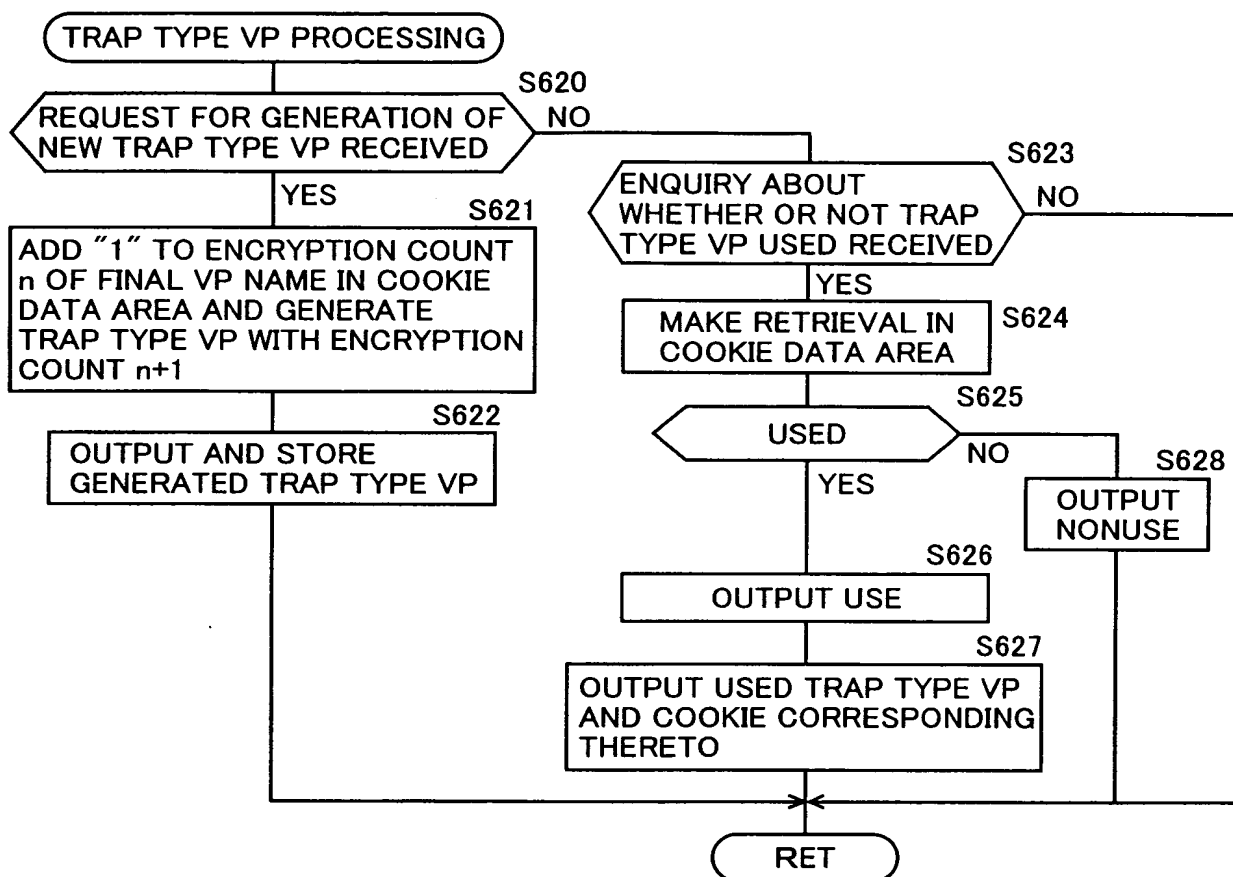


FIG.39

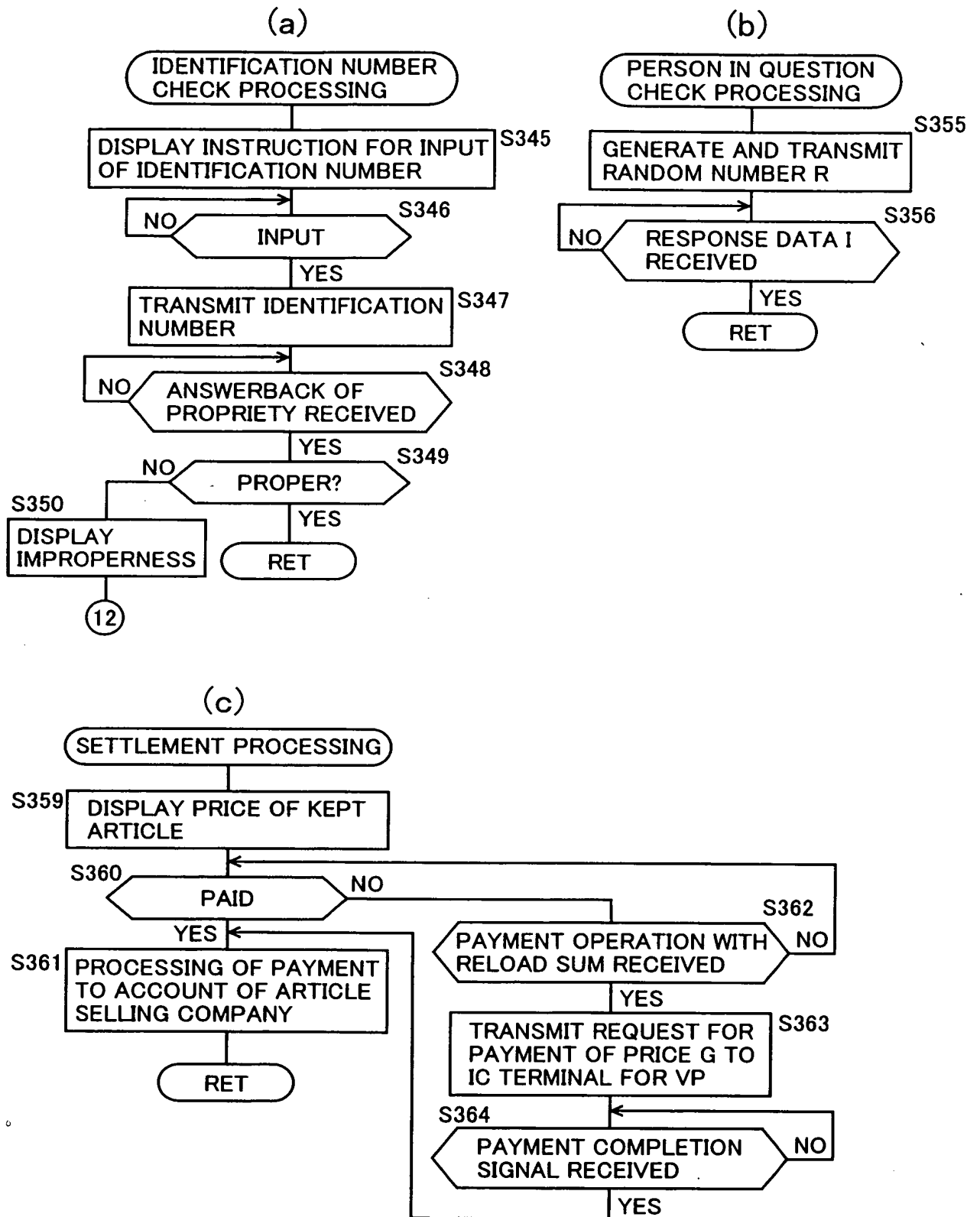
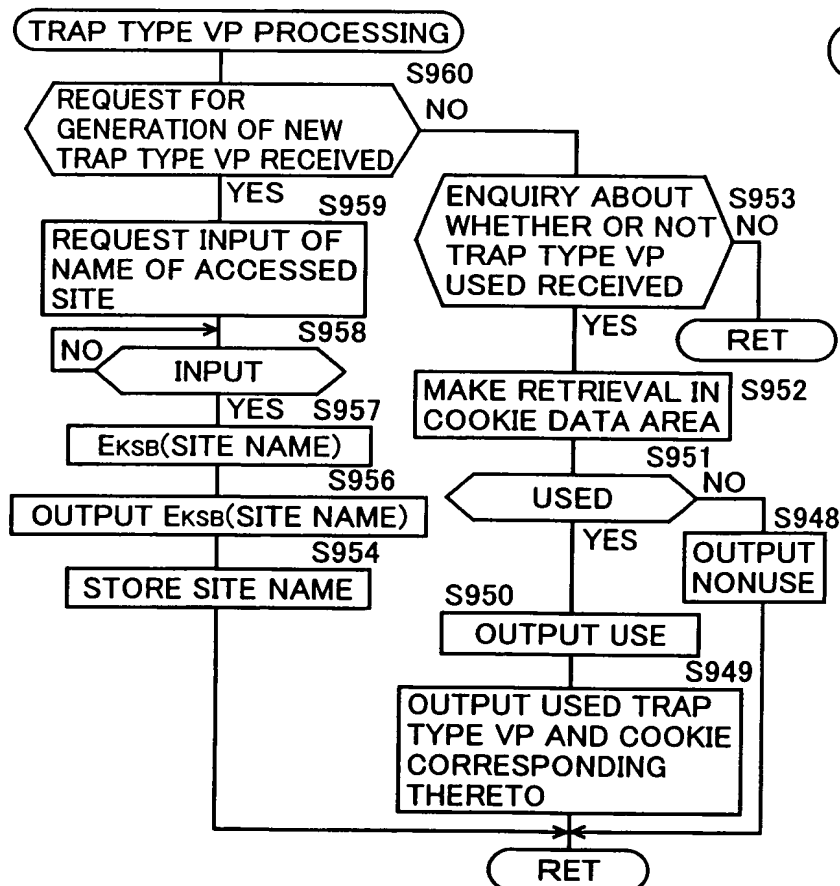


FIG.40

(a)

TRAP TYPE RFID		
VP NAME	TRAP TYPE RFID	TRADER NAME
B13P	abc,hij,amz,rak...	ABC,HIJ,AMZ...
Eksb (NAME OF EACH SITE)	mtt	MTT
	mec	MEC
	ktt	KTT
	⋮	⋮

(b)



(c)

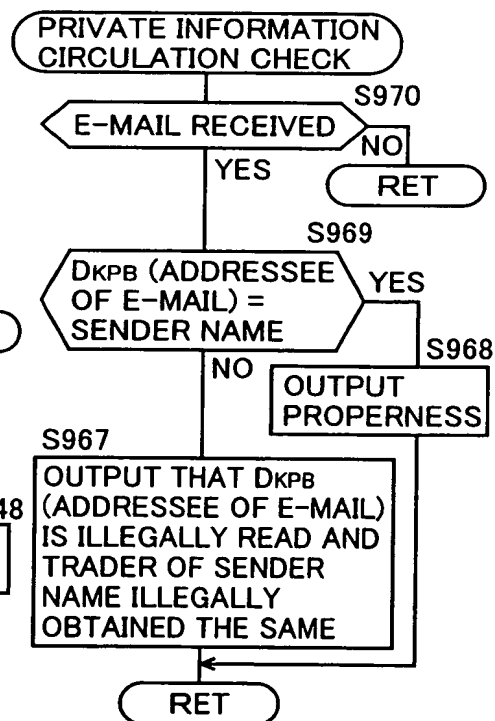


FIG.41

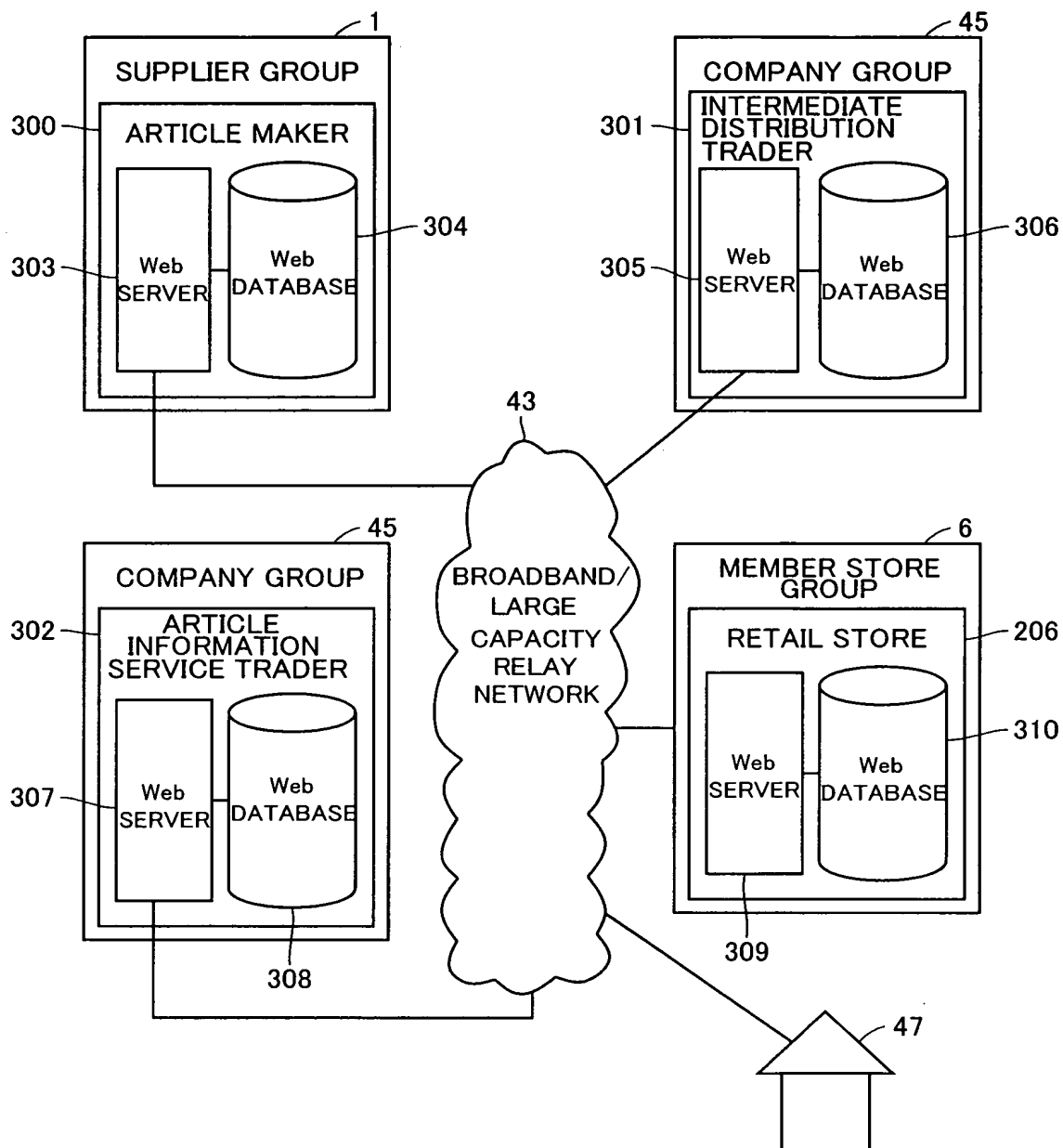


FIG.42

RFID	PRODUCER	INTERMEDIATE DISTRIBUTION TRADER	RETAIL STORE	PURCHASER PAGE		
892013960	http://www.sato	http://www.kanei	http://www.daimaru	B13P
892013961				NPXA
892013962 }				19X3
892014560	http://www.isida		http://www.hansin			
892014561 }						
892014801	http://www.kato	http://www.mitui				
892014802 }						
892014990						

FIG.43

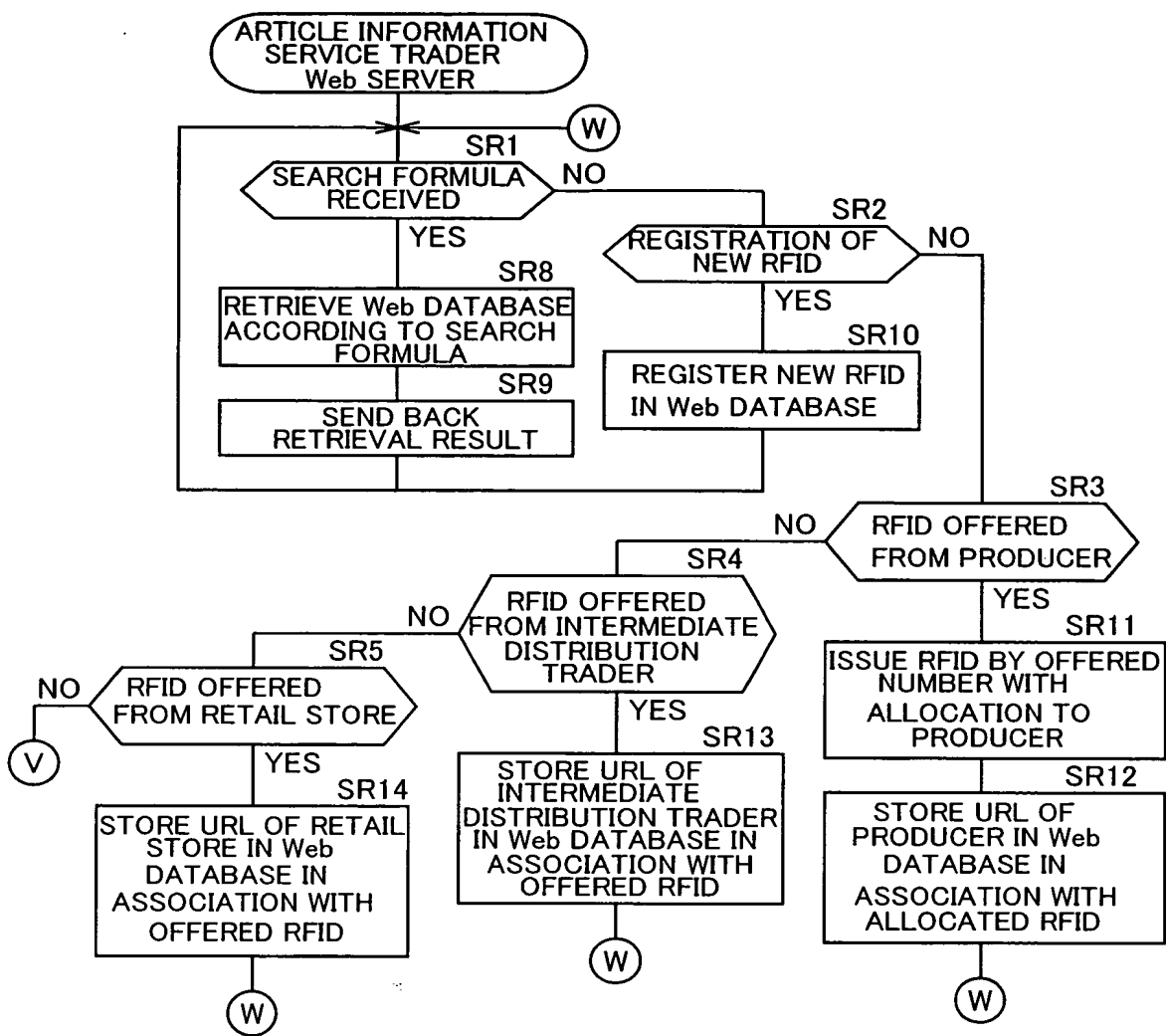


FIG.44

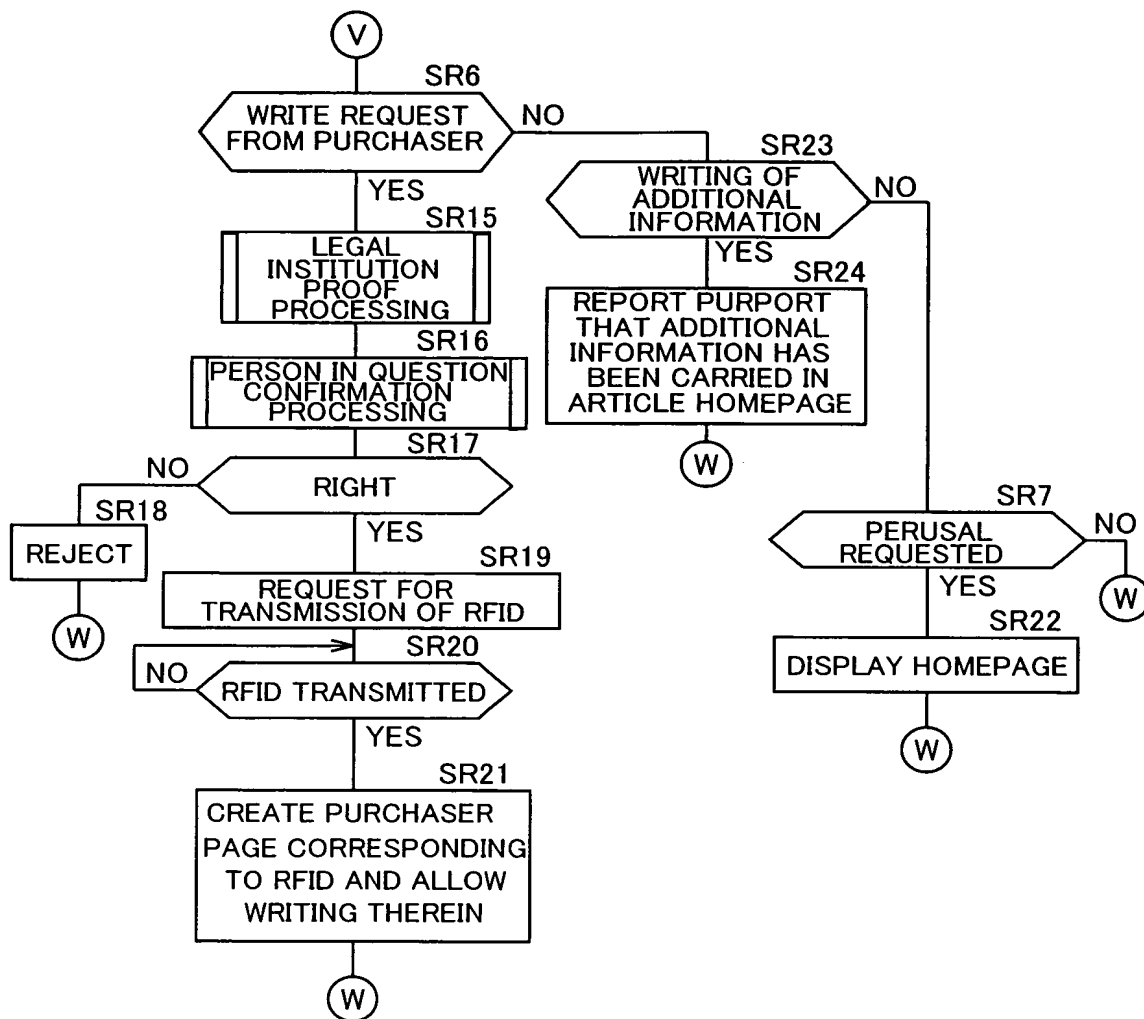


FIG.45

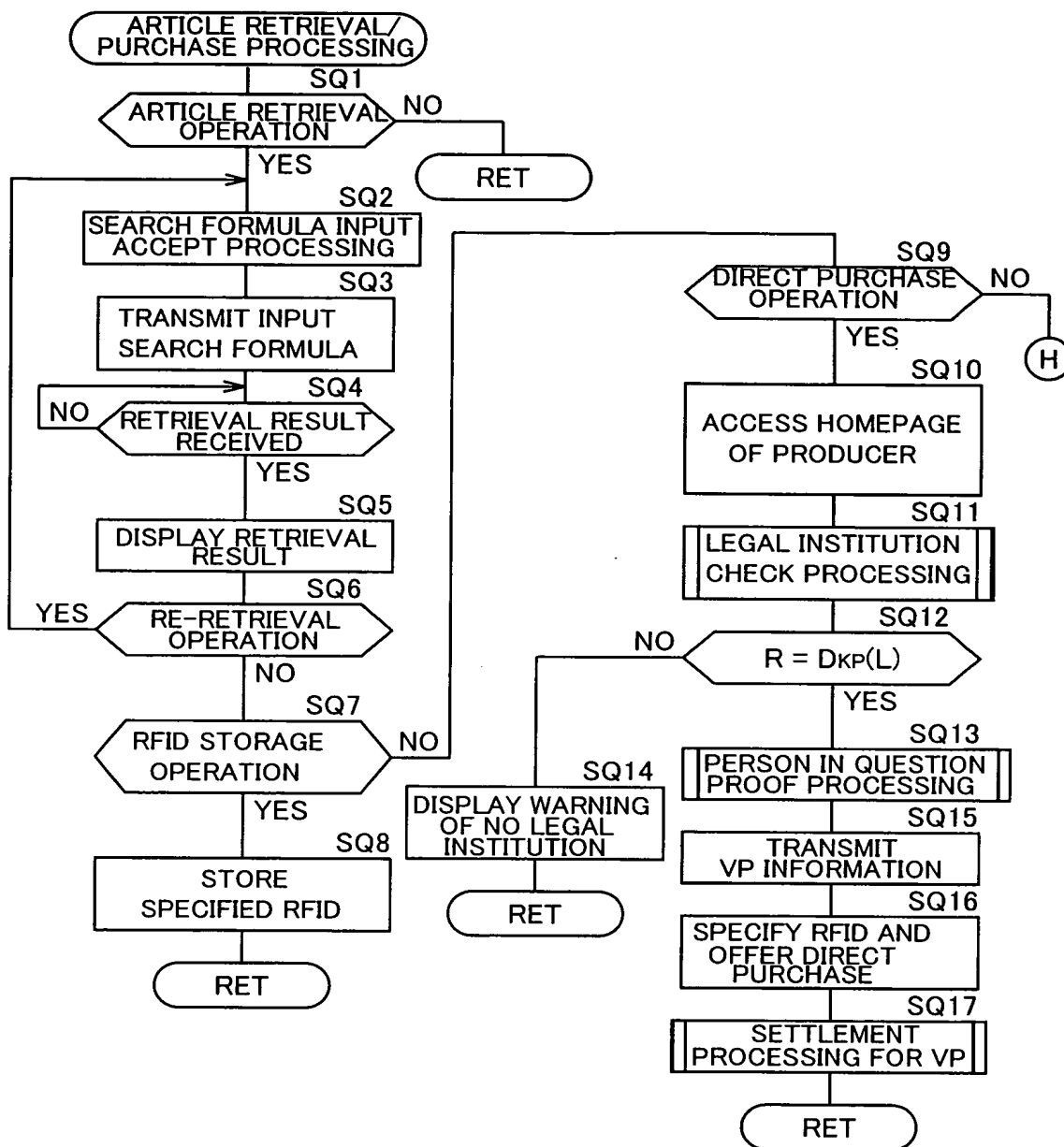


FIG.46

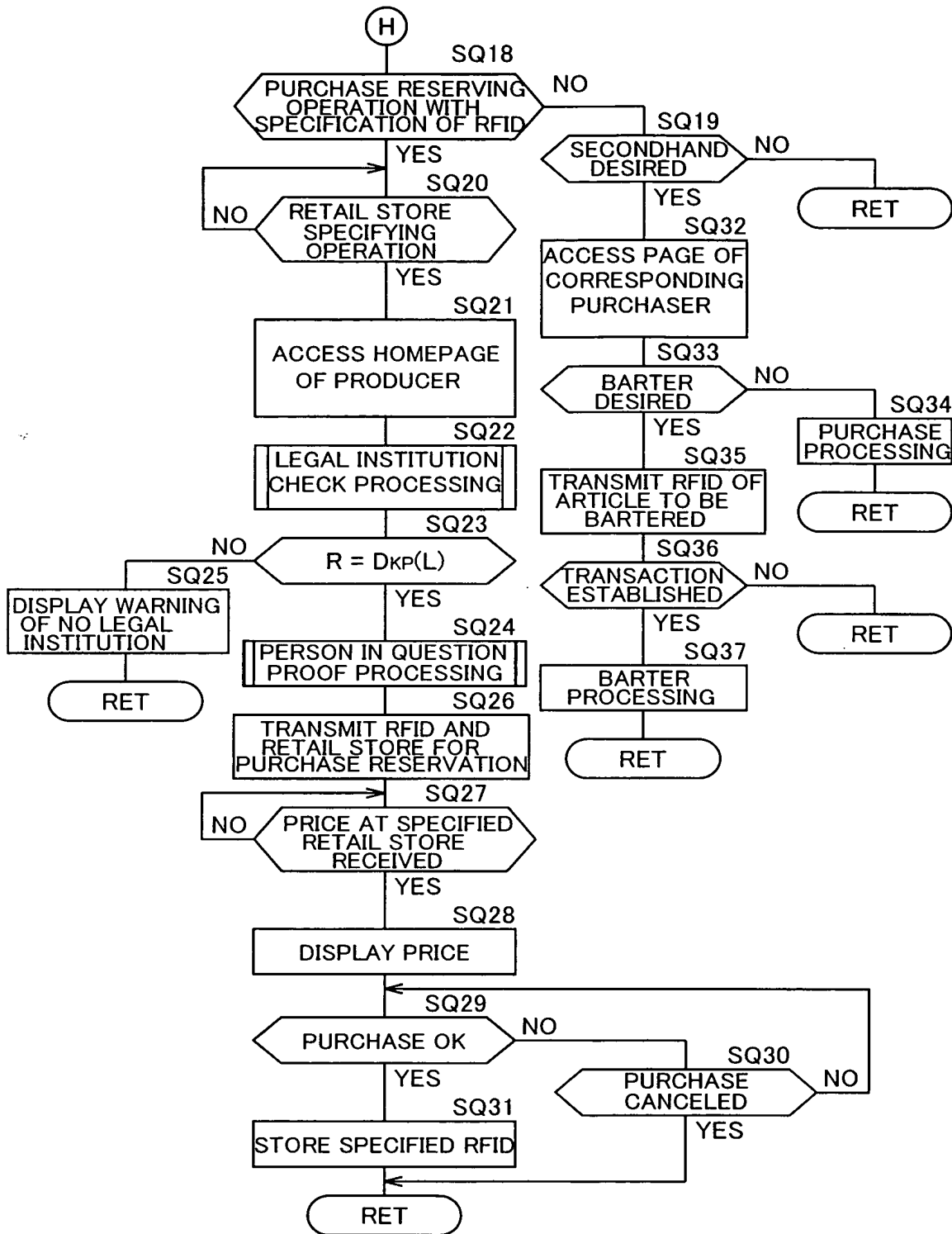


FIG.47

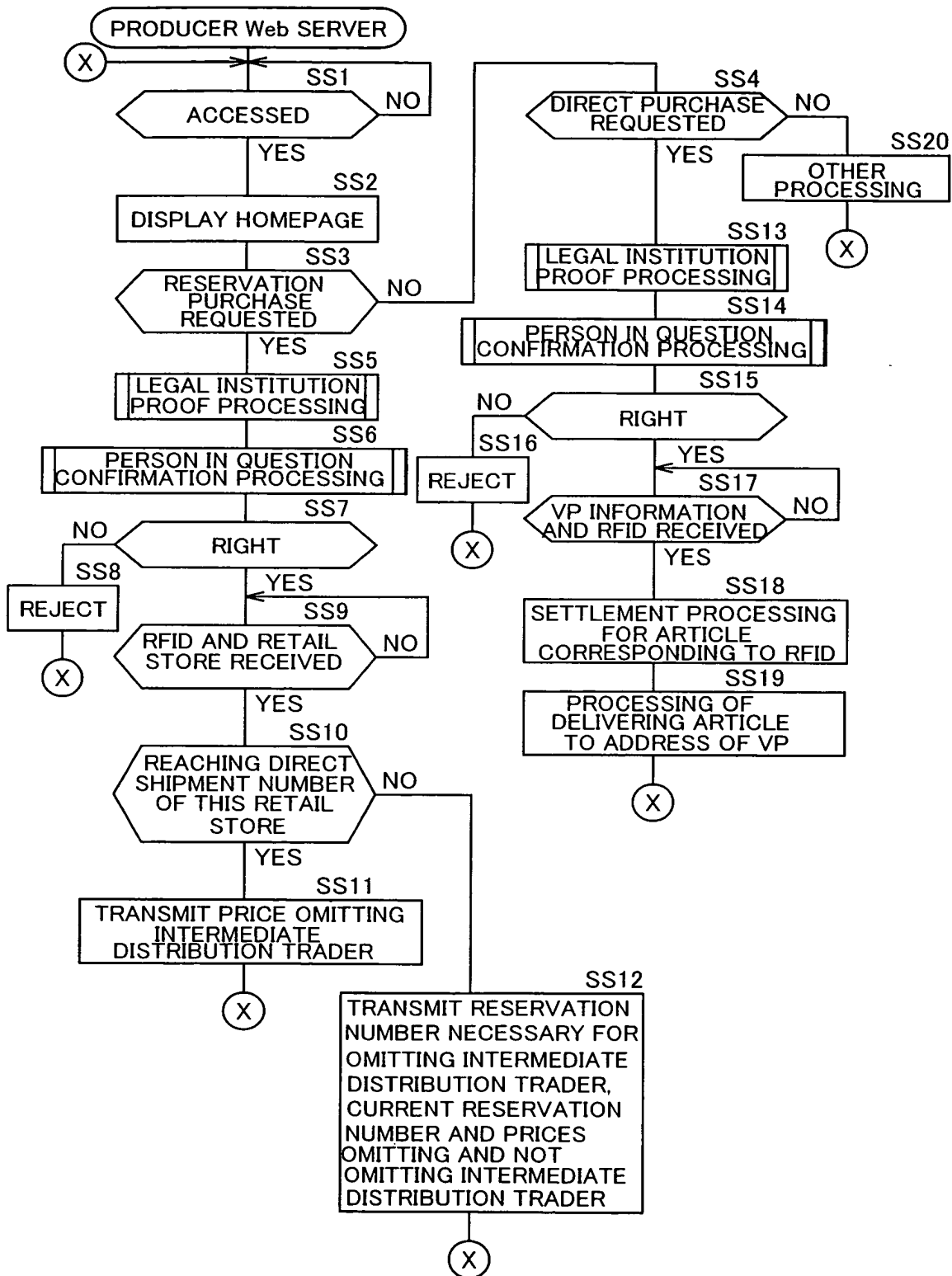


FIG.48

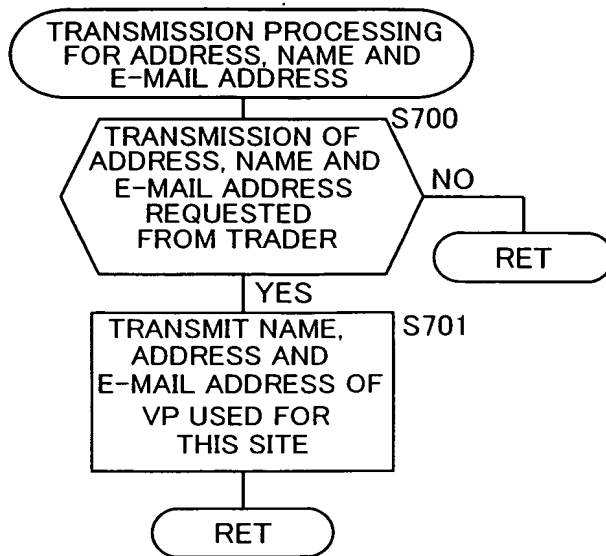


FIG.49

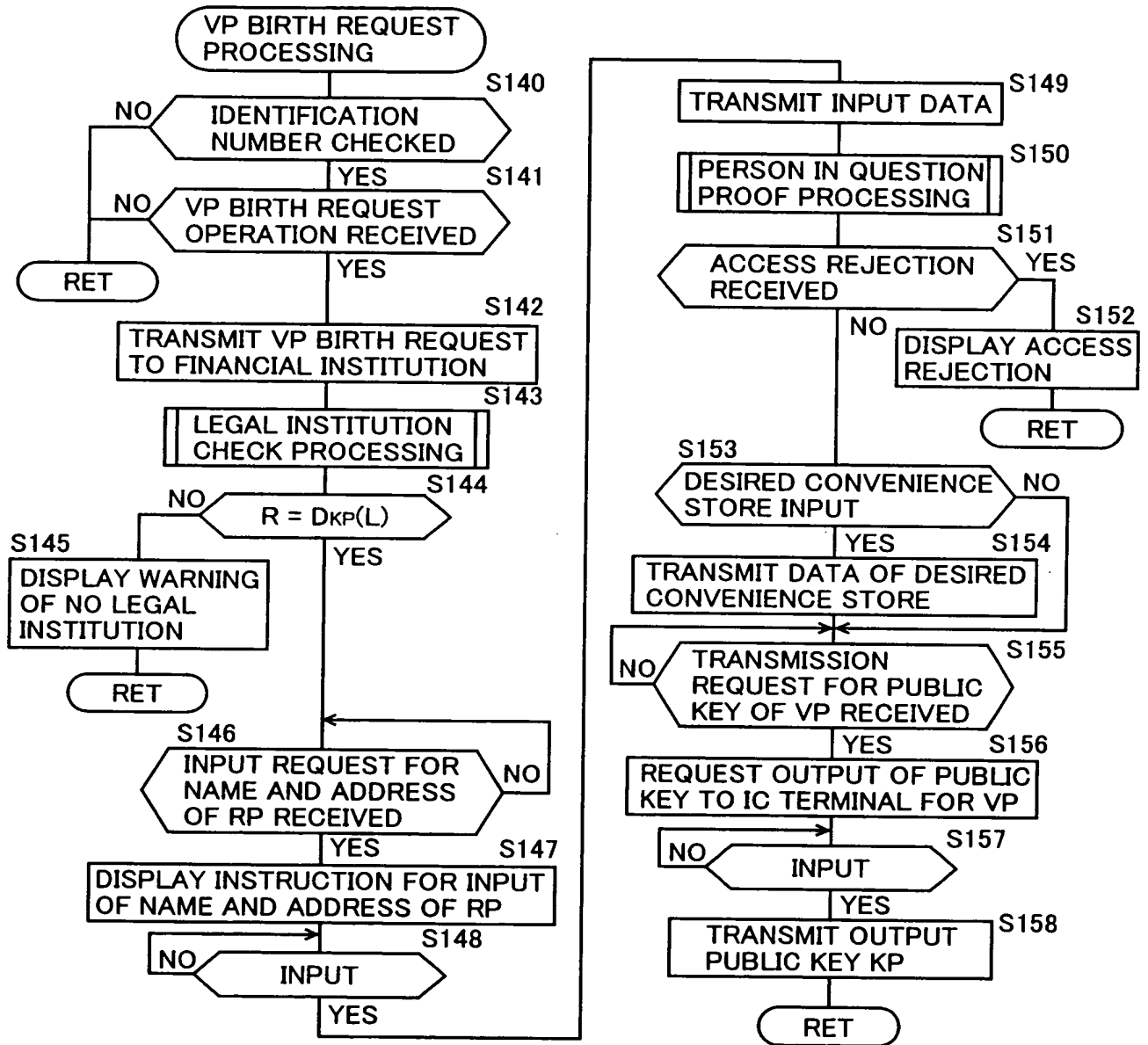


FIG.50

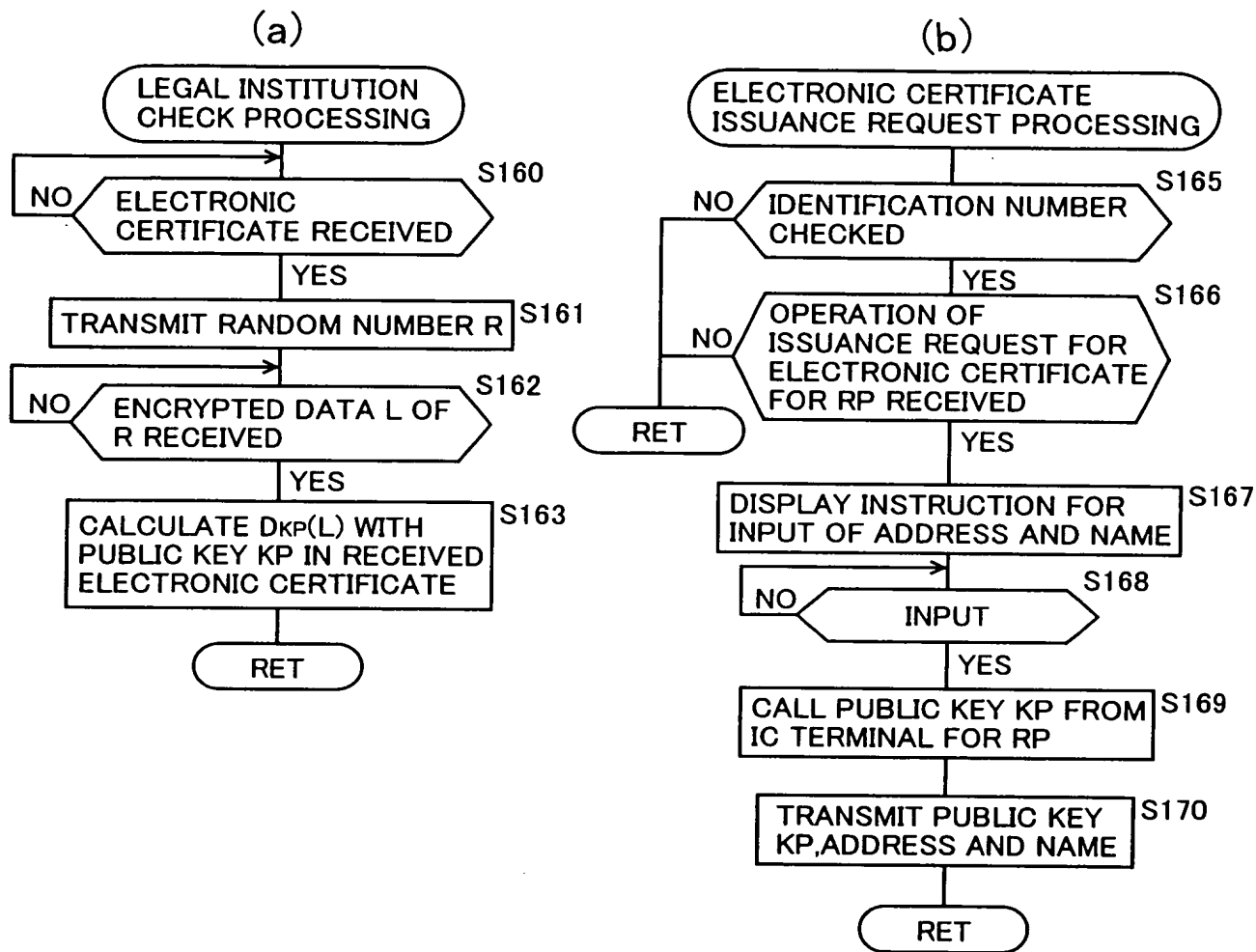


FIG.51

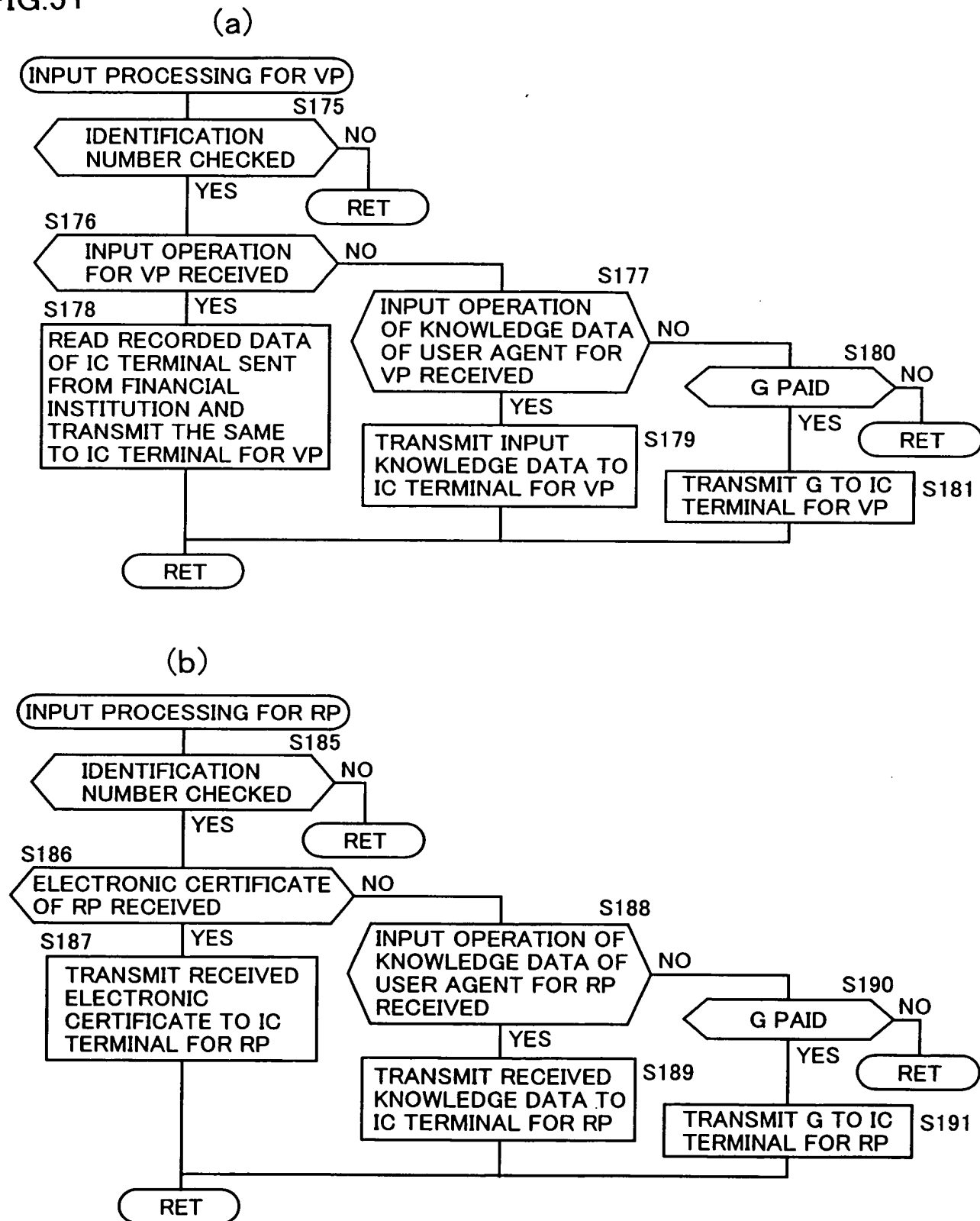


FIG.52

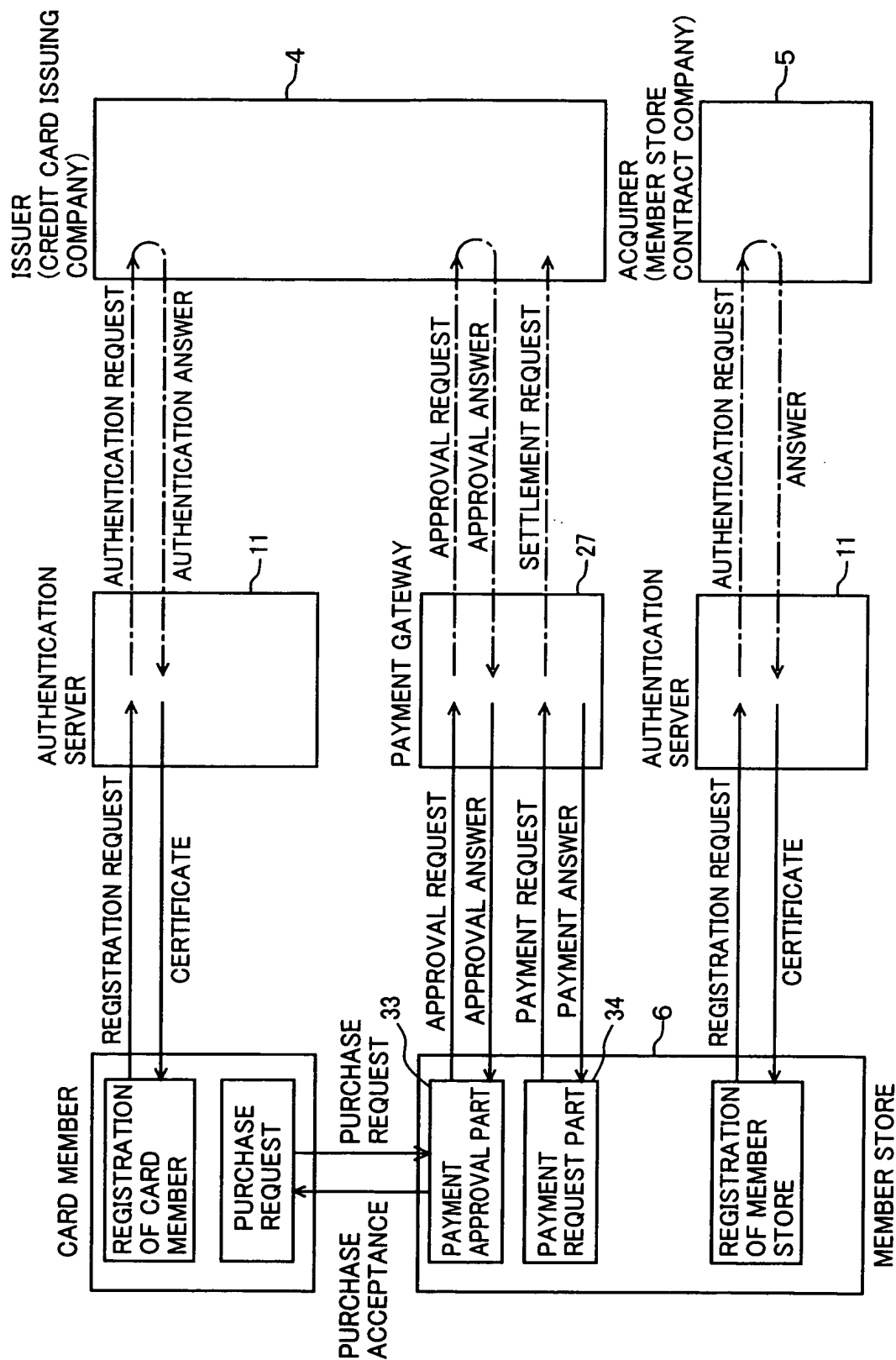


FIG.53

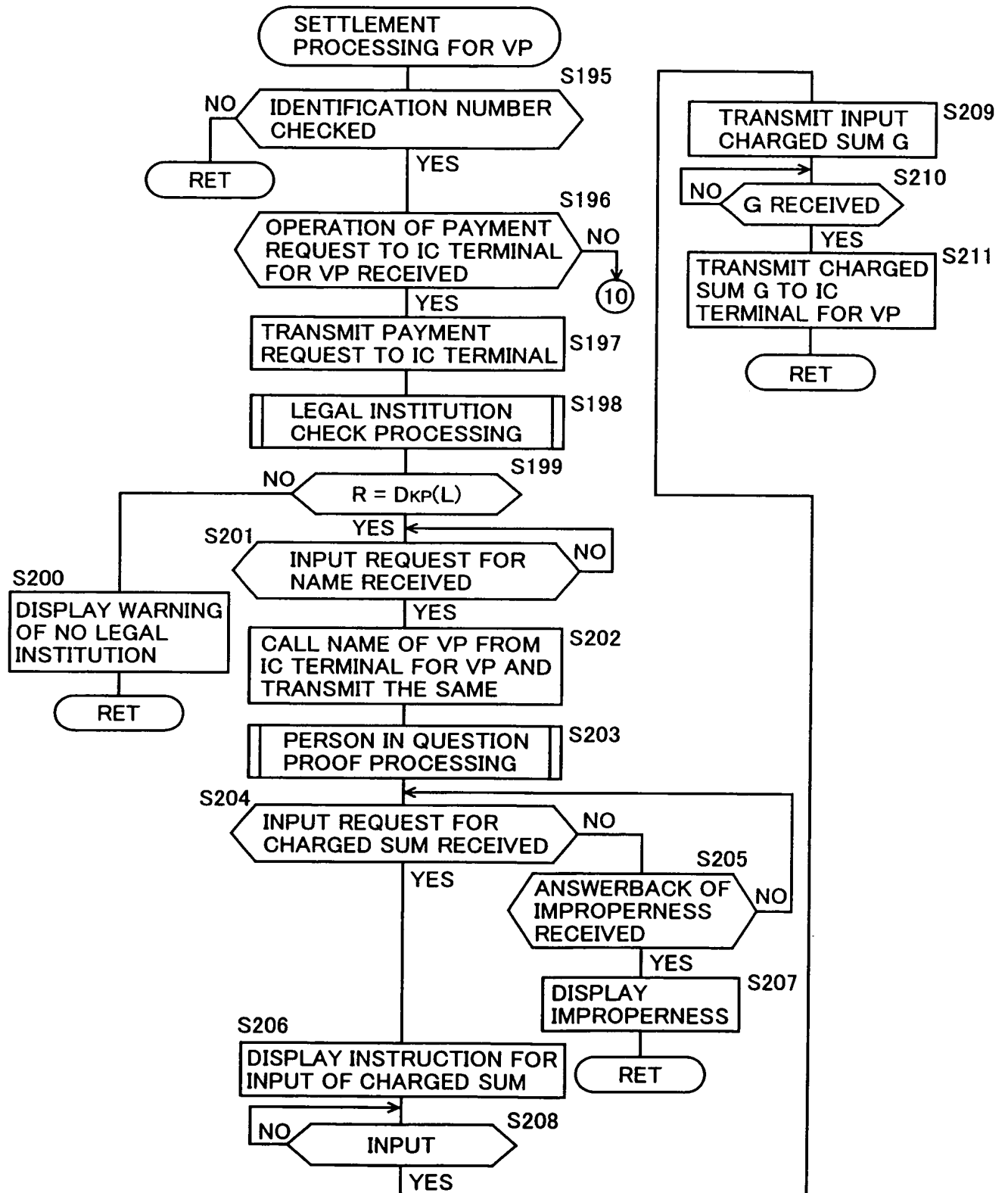


FIG.54

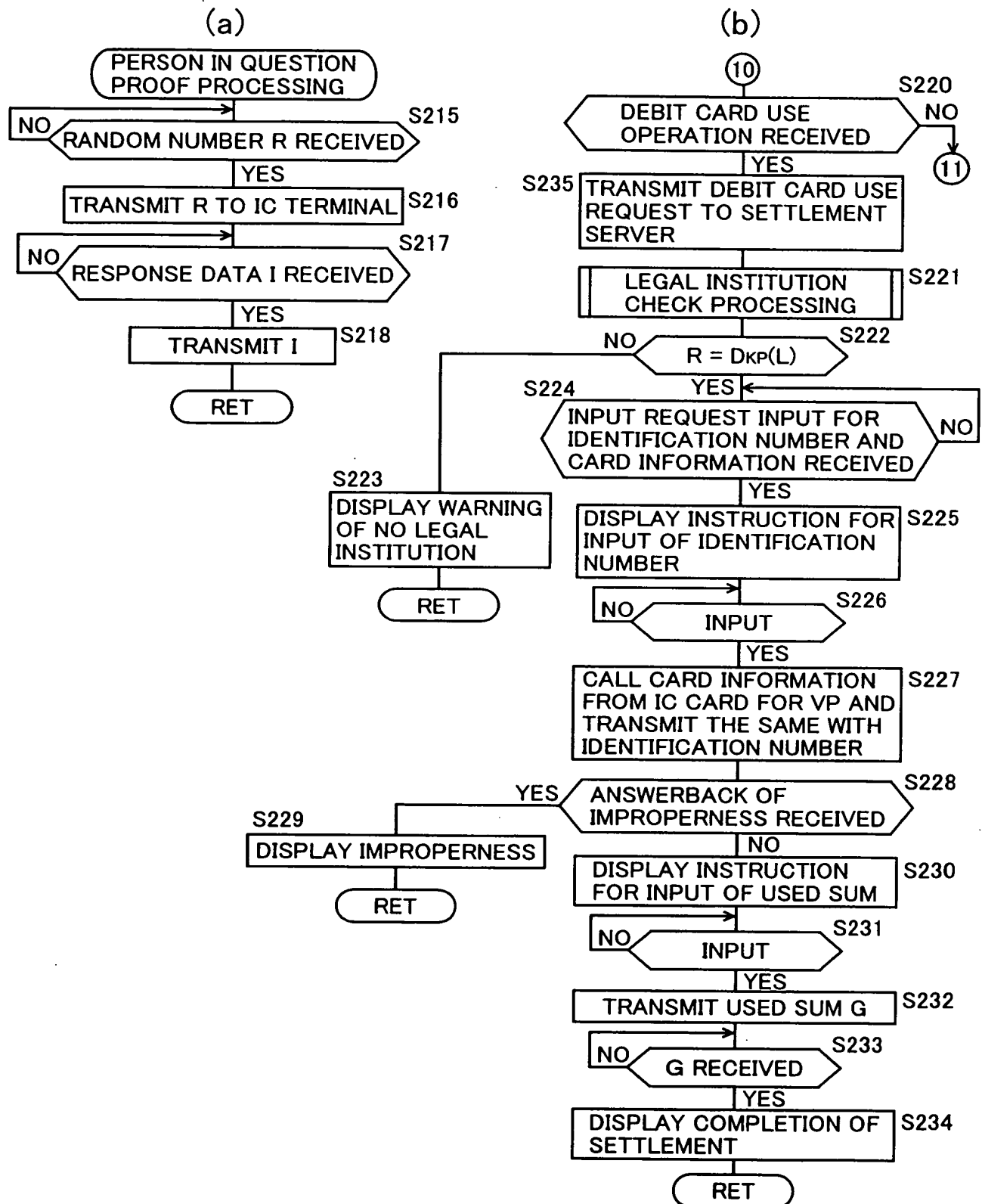


FIG.55

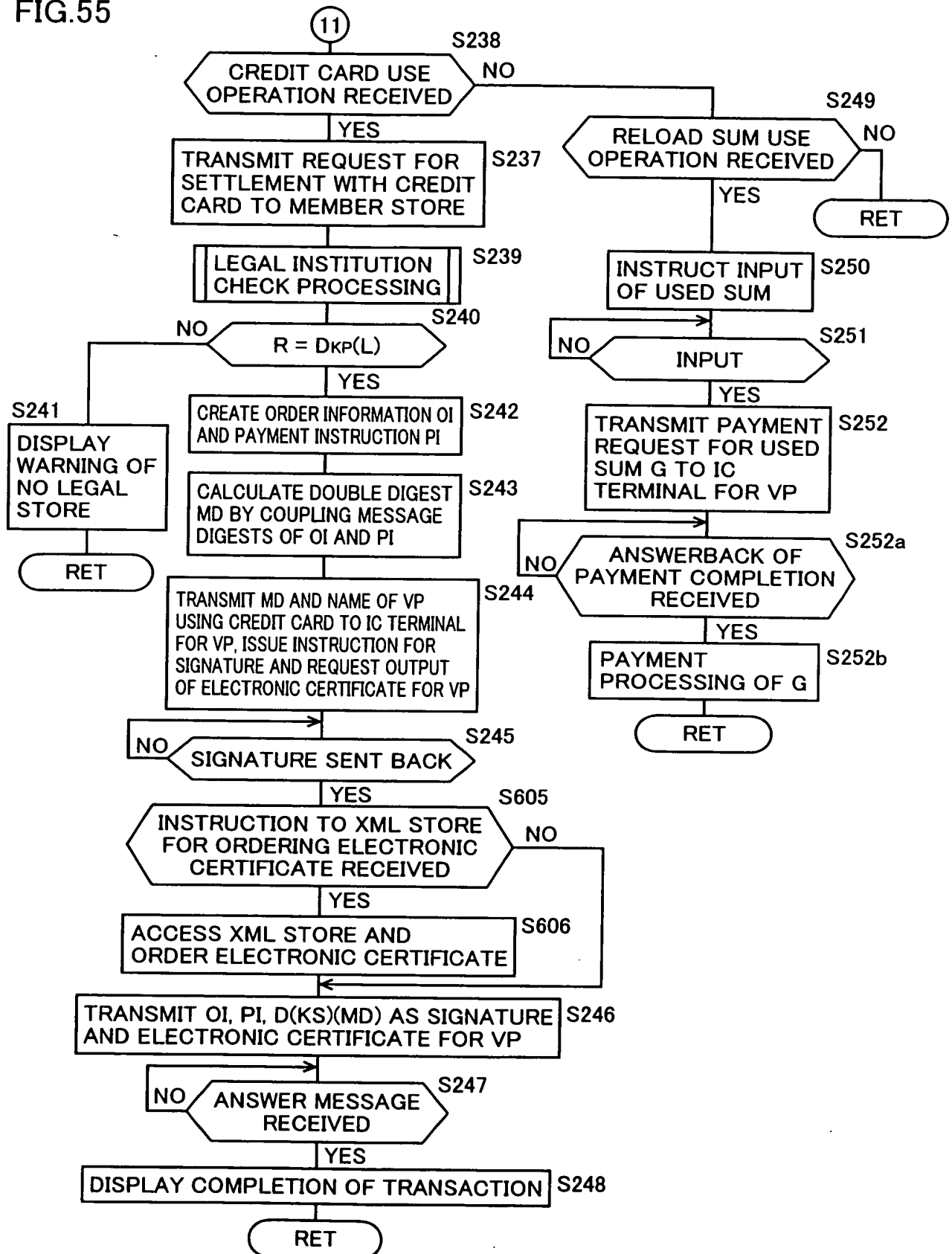


FIG.56

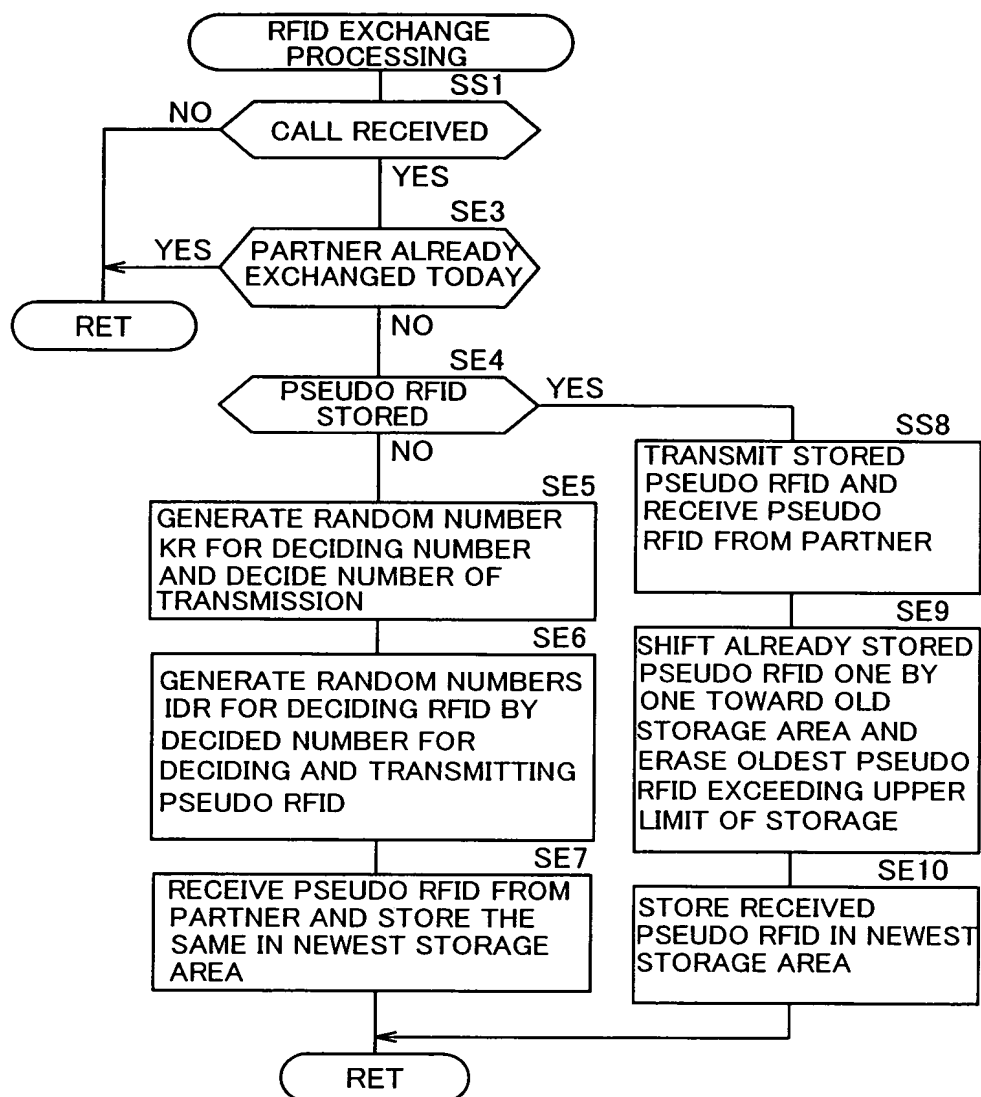


FIG.57

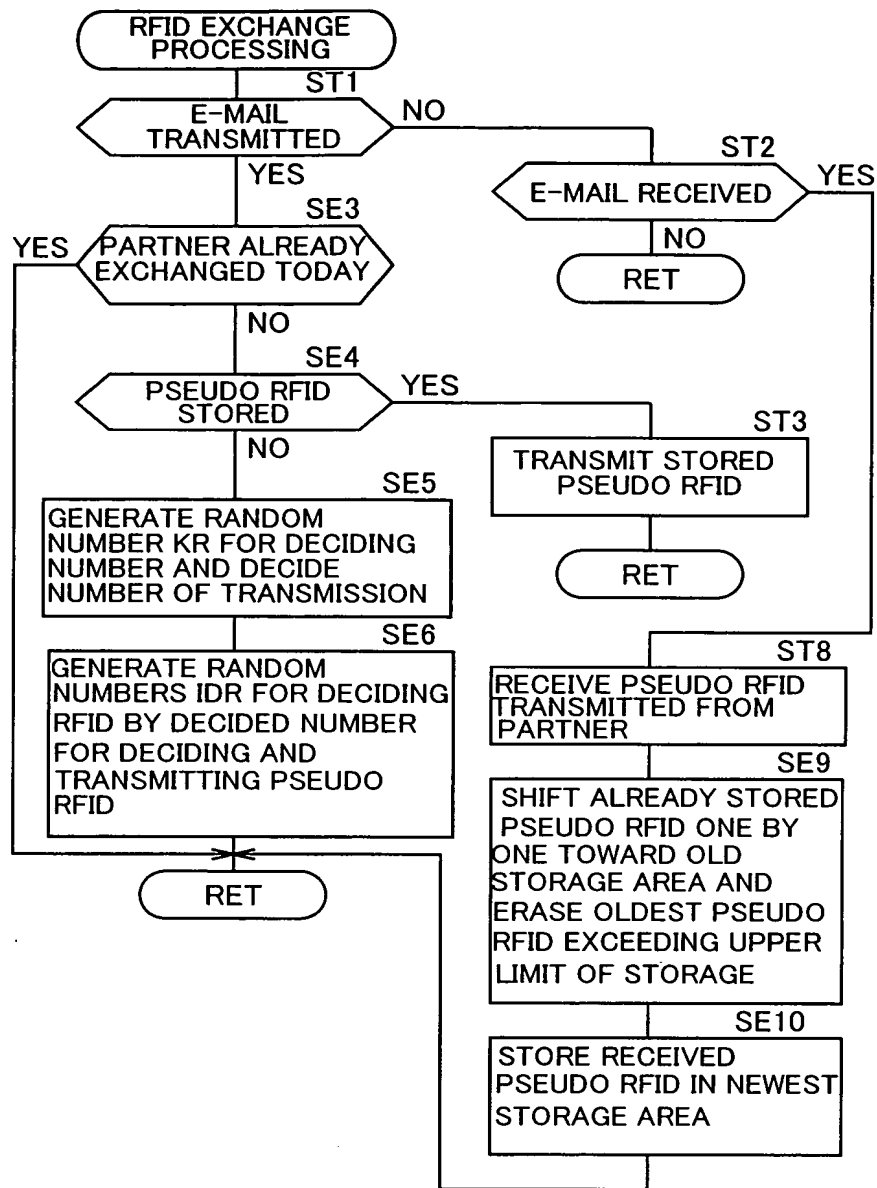


FIG.58

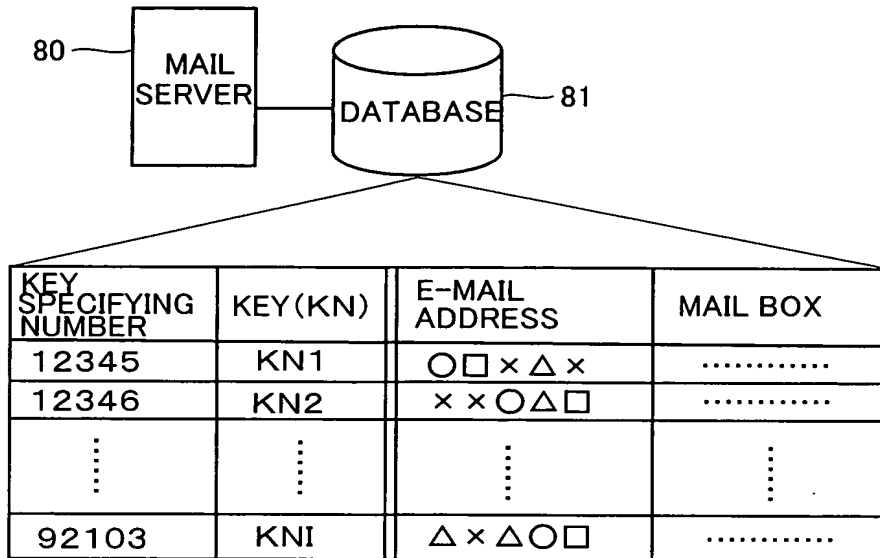


FIG.59

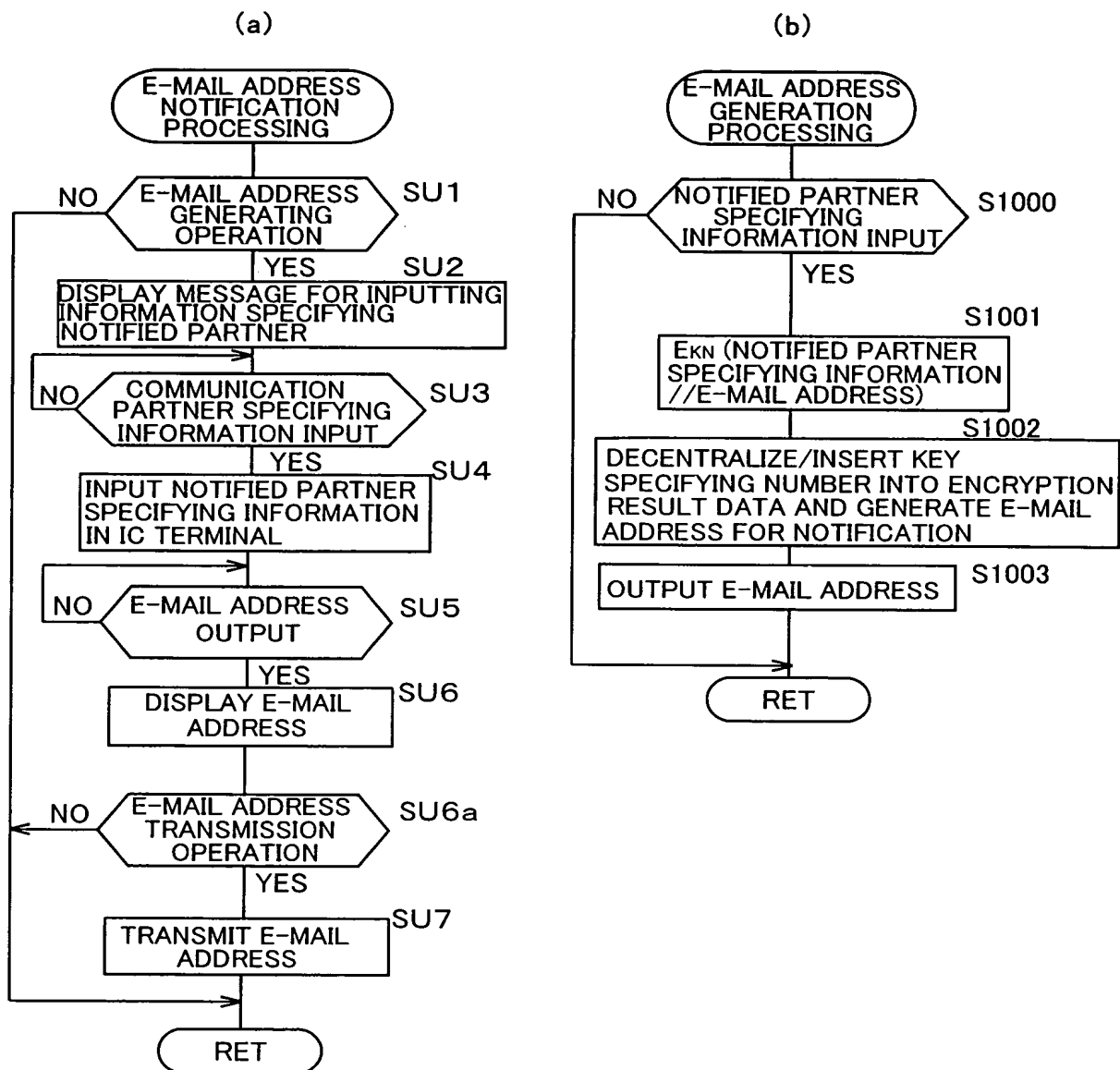


FIG.60

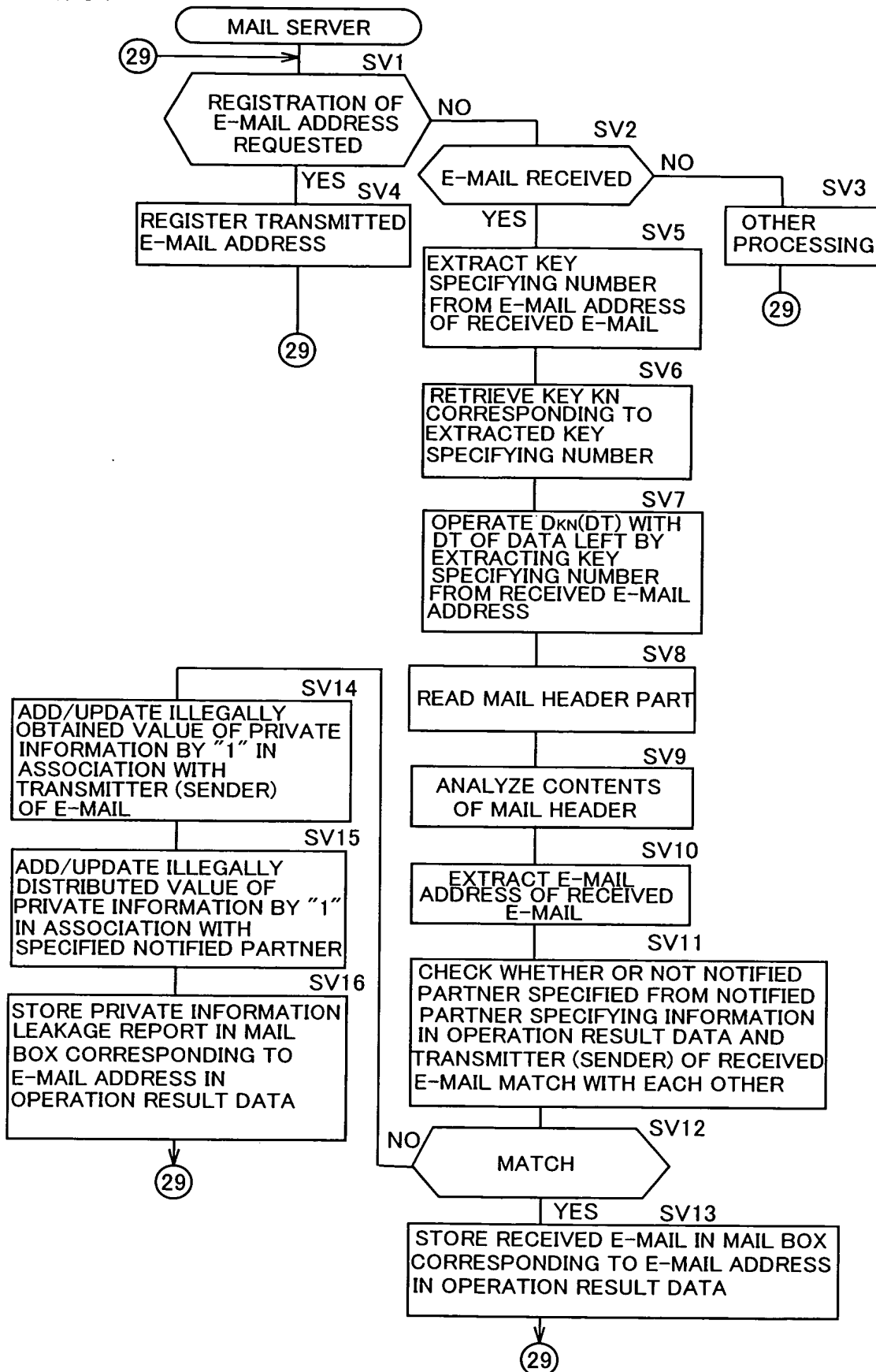


FIG.61

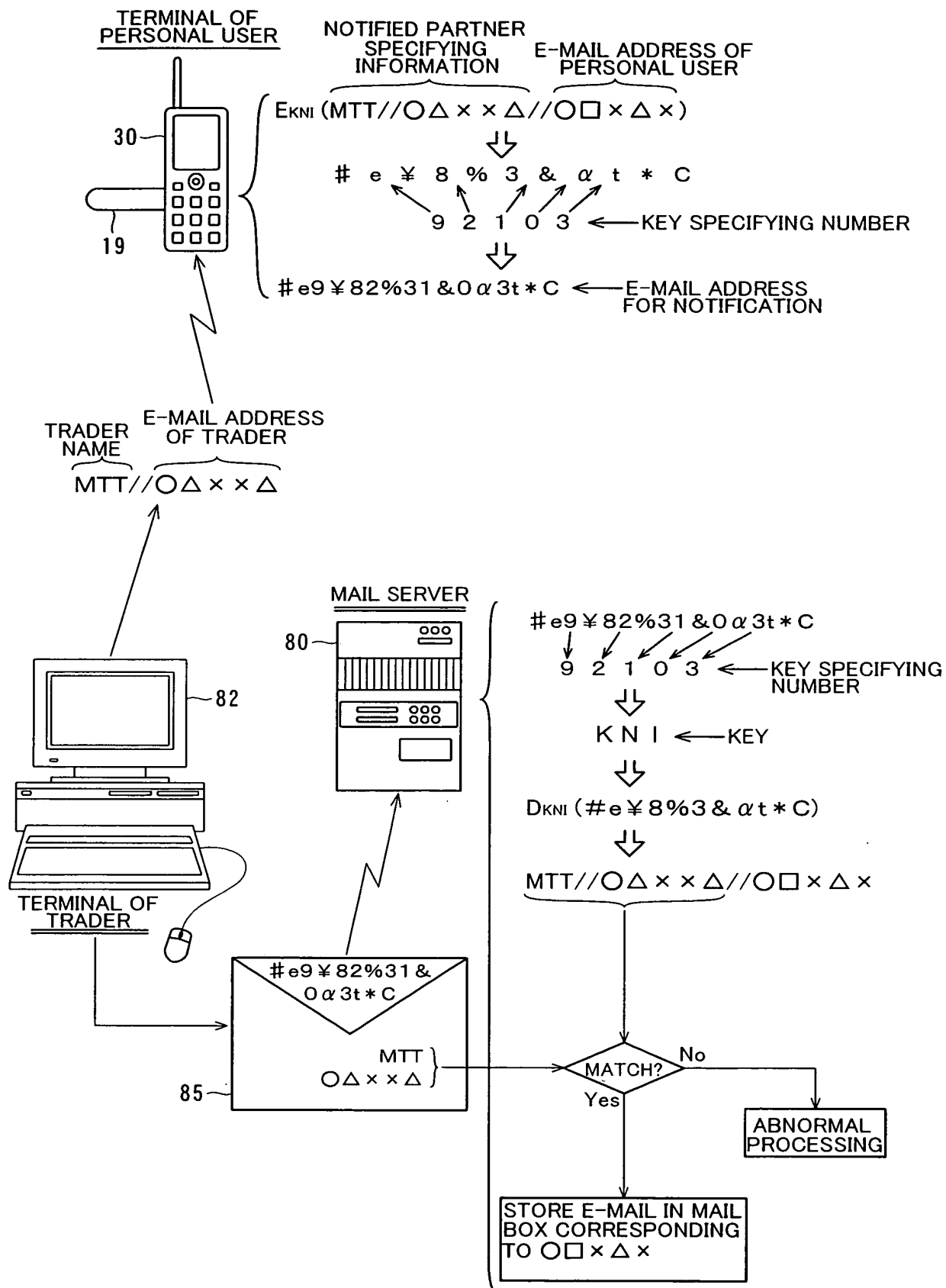


FIG.62

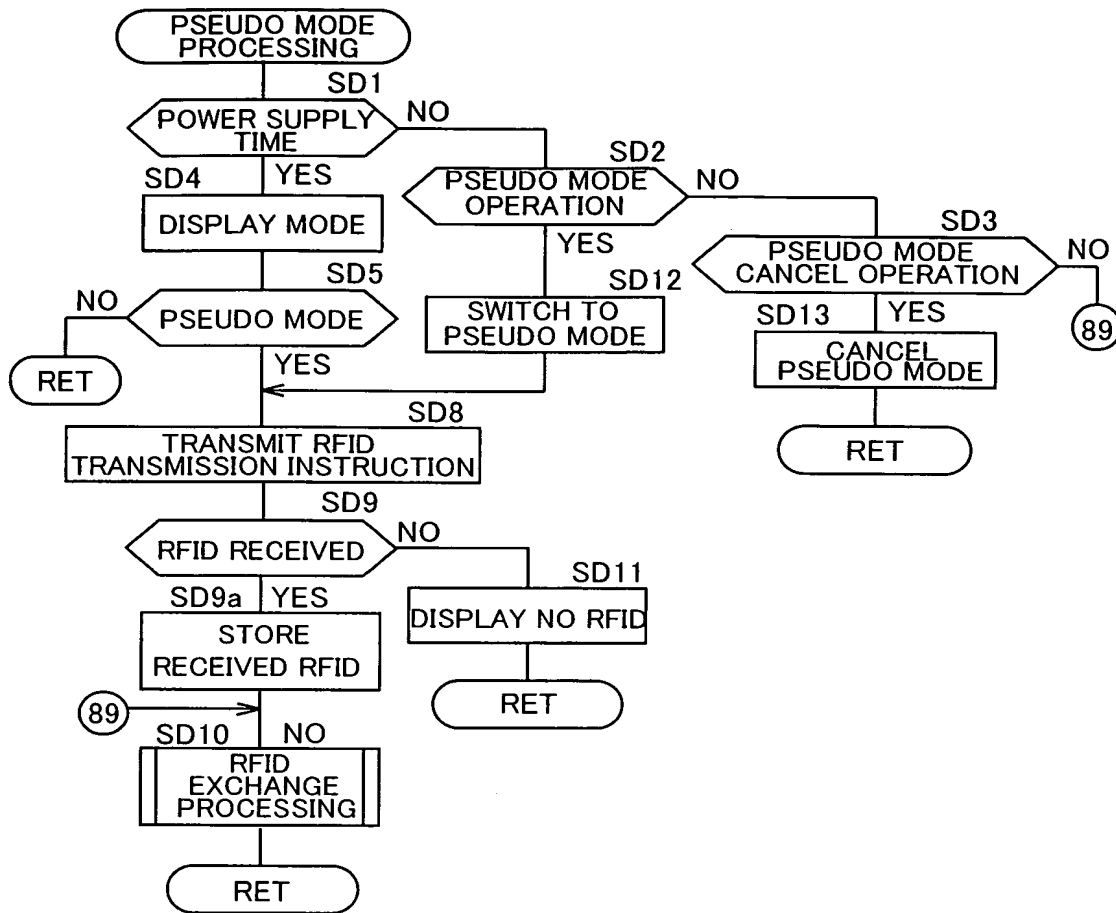


FIG.63

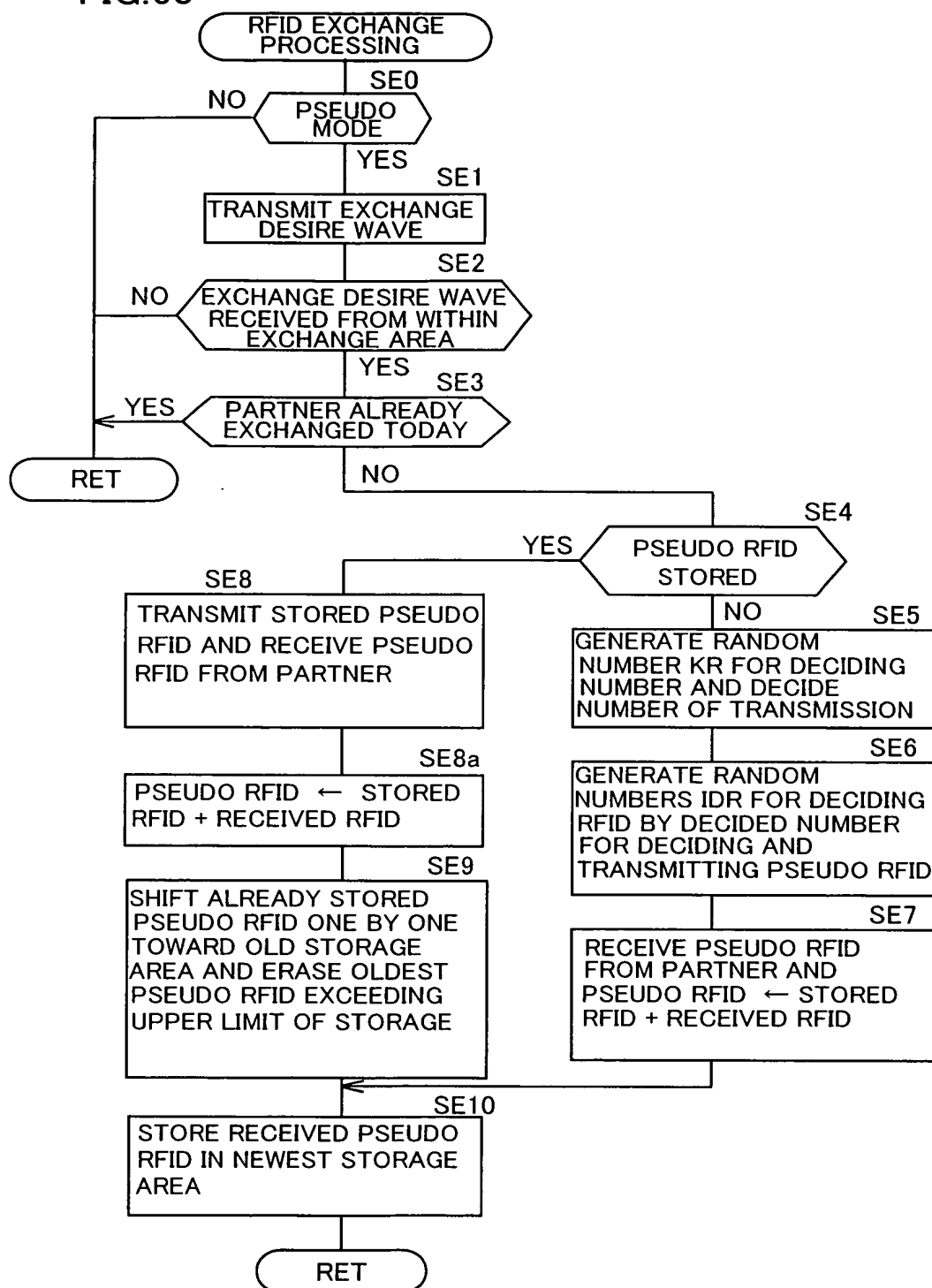


FIG.64

